

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052519.D
 Acq On : 28 Nov 2018 15:01
 Operator : MD\SY
 Sample : J6064-03DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

Quant Time: Nov 29 00:09:47 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	1425566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2151363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1854331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	774457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	711381	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	7.59	113	645159	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.09	98	2613680	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	871451	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.77	59	5643	7.262	ug/l #	85
13) Acrolein	3.61	56	169	33.582	ug/l #	14
16) Acetone	3.82	43	211486	51.657	ug/l	99
18) Methyl Acetate	4.33	43	2548	0.217	ug/l #	52
25) 2-Butanone	6.84	43	190674	32.859	ug/l	96
31) Cyclohexane	7.66	56	42550	1.236	ug/l #	18
36) 1,1-Dichloropropene	7.66	75	96387	4.744	ug/l #	50
37) Ethyl Acetate	6.84	43	190674	15.379	ug/l #	68
38) Carbon Tetrachloride	7.67	117	126838	6.897	ug/l #	16
39) Methylcyclohexane	9.08	83	31741	1.285	ug/l	99
40) Benzene	8.04	78	306118	5.056	ug/l	99
42) 1,2-Dichloroethane	8.13	62	13432	0.733	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	36891	3.134	ug/l	97
52) Toluene	10.16	92	1042451	28.979	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	11426	0.613	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	4099	0.324	ug/l #	24
56) Ethyl methacrylate	10.43	69	1295	2.763	ug/l #	69
59) 2-Hexanone	10.75	43	72153	9.132	ug/l	96
67) Ethyl Benzene	11.51	91	416699	6.223	ug/l	100
68) m/p-Xylenes	11.62	106	1226354	49.198	ug/l	100
69) o-Xylene	11.95	106	638453	26.376	ug/l	100
70) Styrene	11.95	104	31466	0.816	ug/l #	1
71) Bromoform	12.40	173	4772	0.542	ug/l #	1
73) Isopropylbenzene	12.25	105	38691	0.637	ug/l	100
74) N-amyl acetate	12.03	43	57143	3.723	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.51	83	3908	0.283	ug/l #	27
76) 1,2,3-Trichloropropane	12.40	75	404730	33.890	ug/l #	100
78) n-propylbenzene	12.59	91	128344	1.859	ug/l	100
79) 2-Chlorotoluene	12.66	91	105312	2.562	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	454464	9.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	404730	113.176	ug/l #	12
82) 4-Chlorotoluene	12.73	91	43012	1.038	ug/l #	41
83) tert-Butylbenzene	13.04	119	218747	5.063	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	1769892	36.444	ug/l	100

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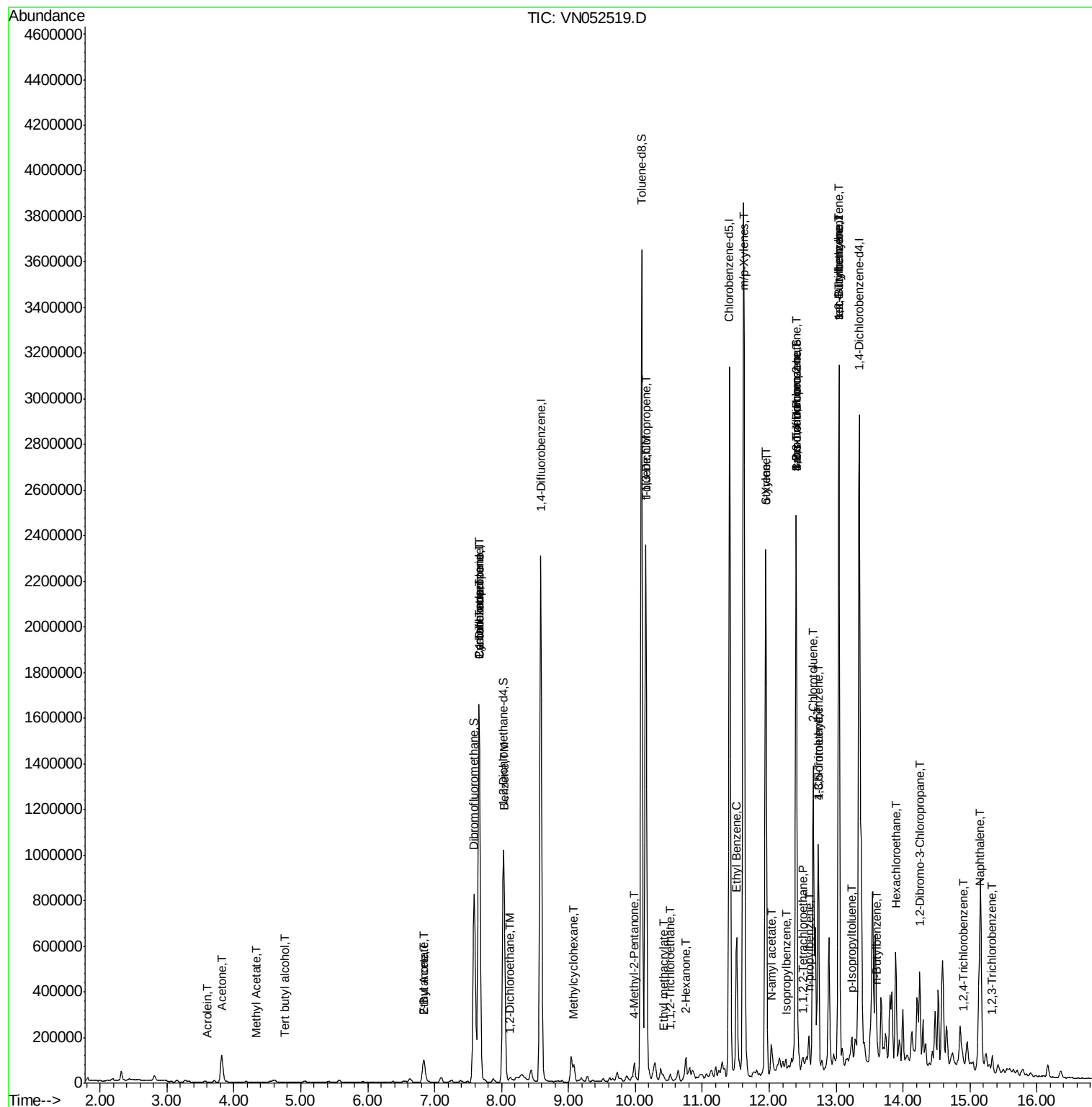
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	1769892	30.079	ug/l #	57
86) p-Isopropyltoluene	13.24	119	40411	0.806	ug/l	99
89) n-Butylbenzene	13.62	91	29810	0.715	ug/l #	51
90) Hexachloroethane	13.89	117	23610	2.782	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2006	1.015	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	809	2.885	ug/l #	1
95) Naphthalene	15.14	128	304554	13.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1034	2.804	ug/l #	75

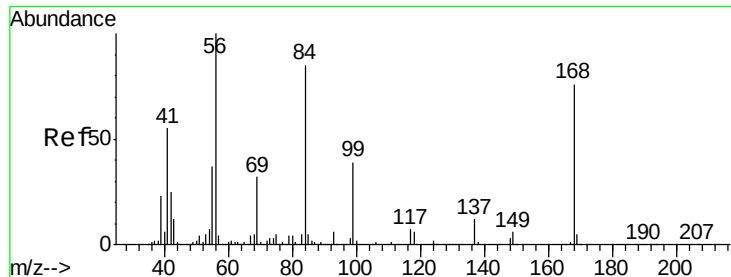
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

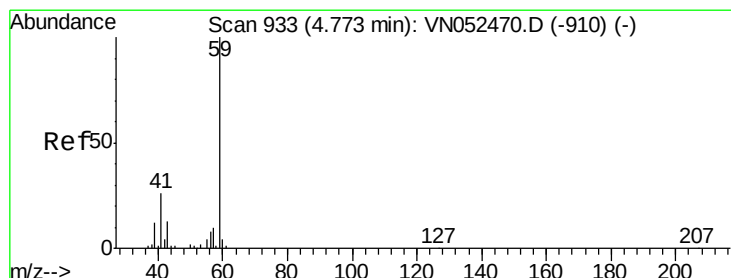
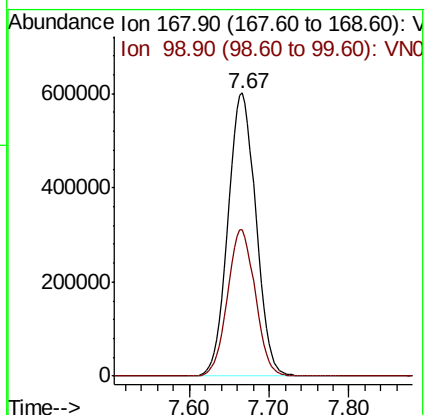
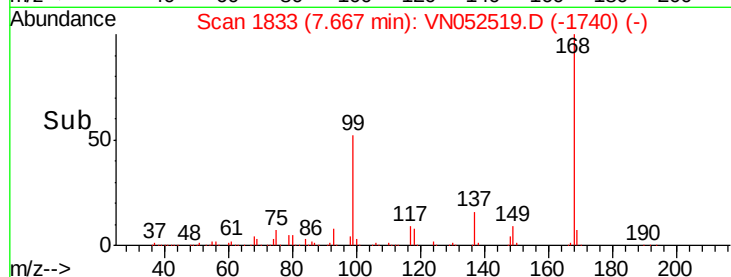
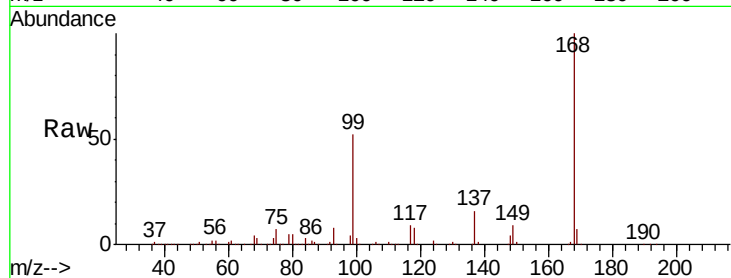
OILY-WATERDL

Tot Ion:168 Resp: 1425566

Ion Ratio Lower Upper

168 100

99 51.6 41.7 62.5



#11

Tert butyl alcohol

Concen: 7.262 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN052519.D

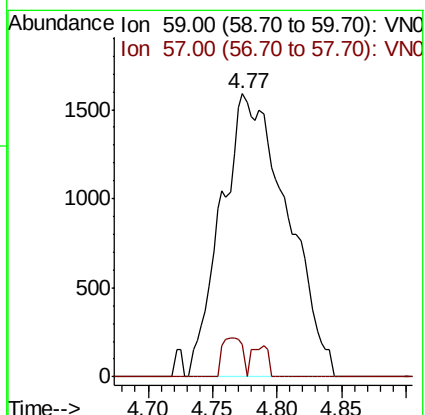
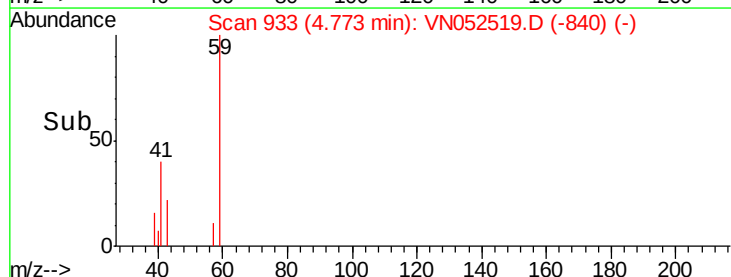
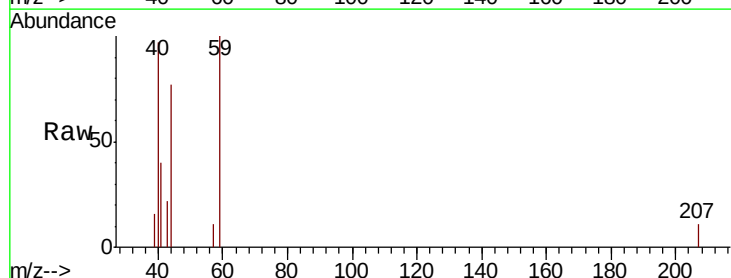
Acq: 28 Nov 2018 15:01

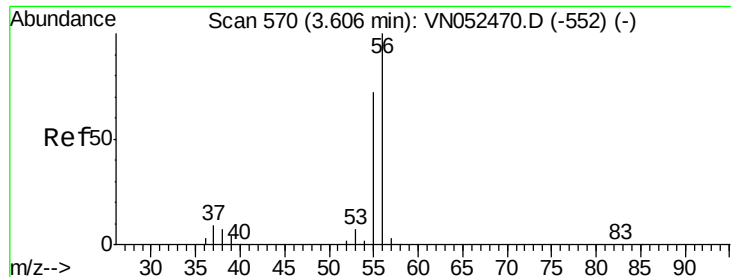
Tgt Ion: 59 Resp: 5643

Ion Ratio Lower Upper

59 100

57 4.2 7.9 11.9#





#13

Acrolein

Concen: 33.582 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

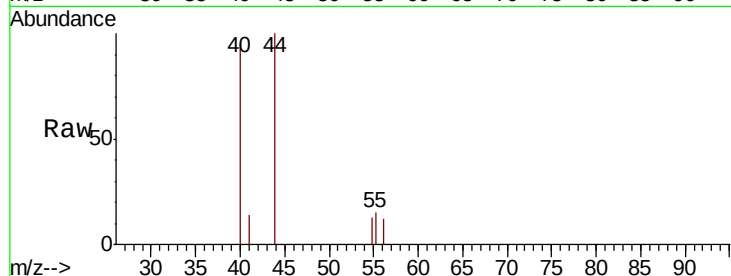
OILY-WATERDL

Tot Ion: 56 Resp: 169

Ion Ratio Lower Upper

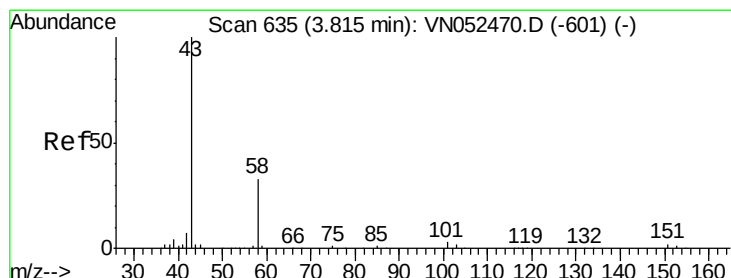
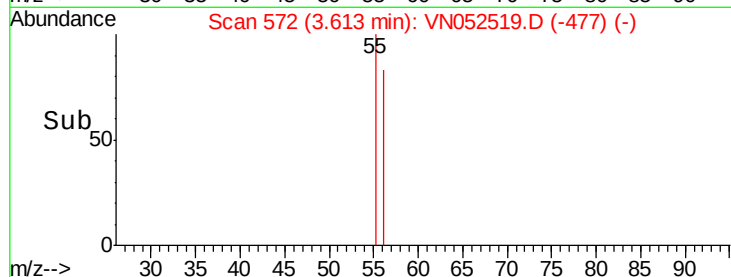
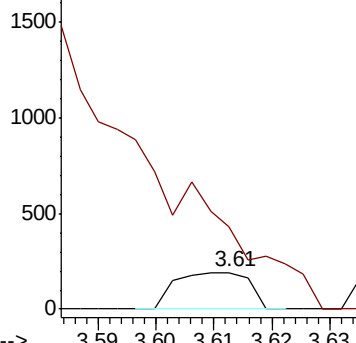
56 100

55 0.0 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 51.657 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052519.D

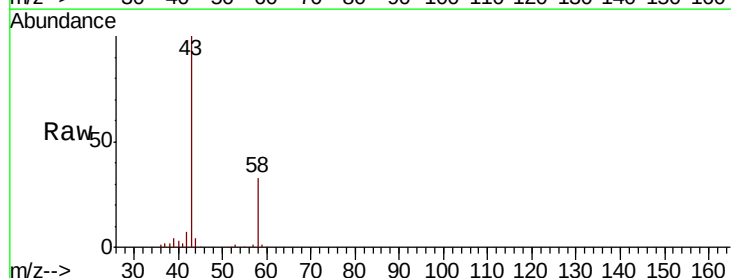
Acq: 28 Nov 2018 15:01

Tgt Ion: 43 Resp: 211486

Ion Ratio Lower Upper

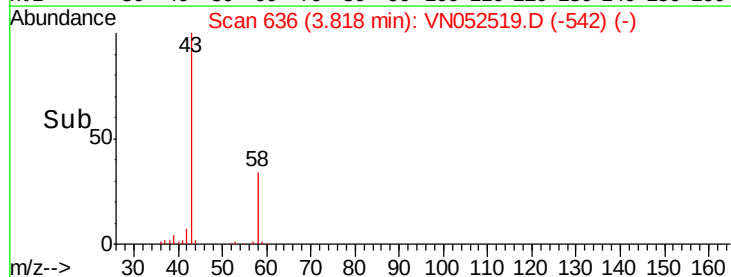
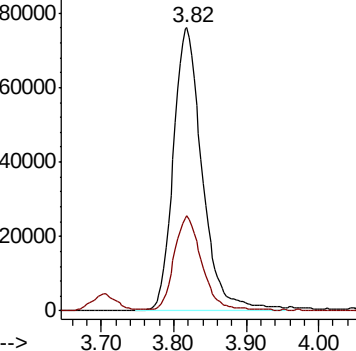
43 100

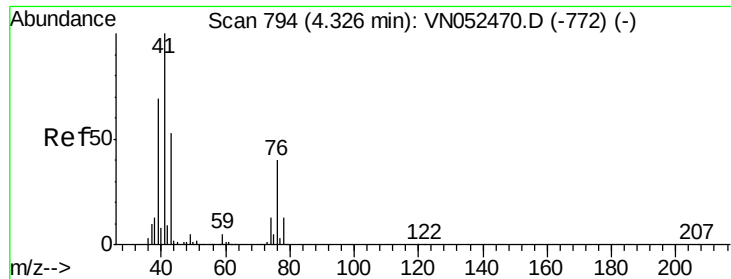
58 33.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

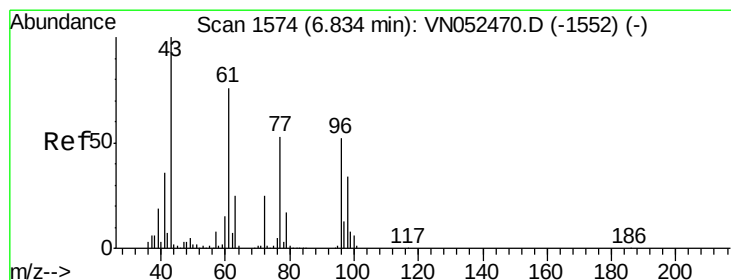
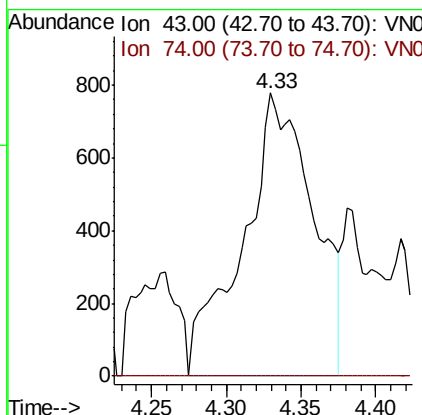
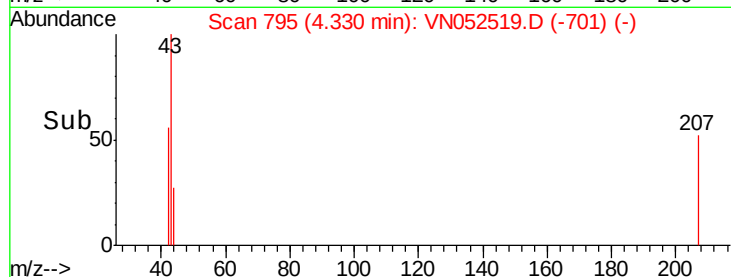
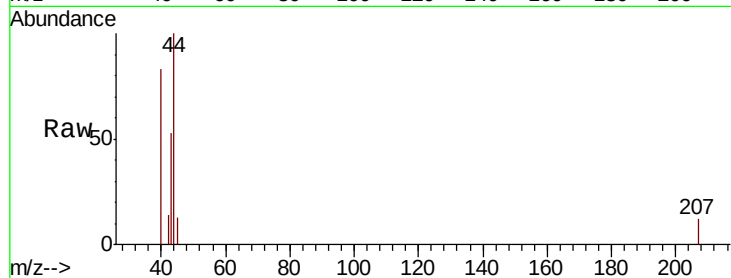




#18
Methyl Acetate
Concen: 0.217 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

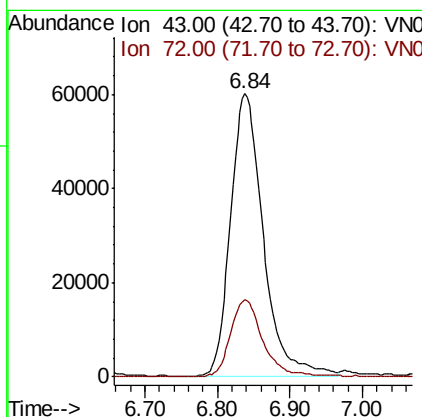
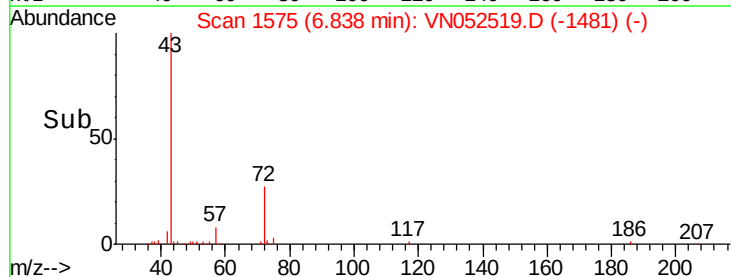
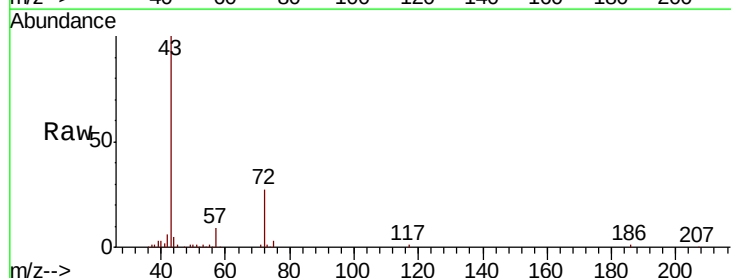
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

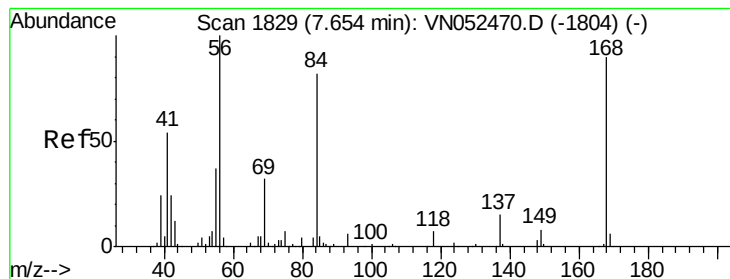
Tot Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#25
2-Butanone
Concen: 32.859 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 43 Resp: 190674
Ion Ratio Lower Upper
43 100
72 27.2 20.1 30.1





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleID :

OILY-WATERDL

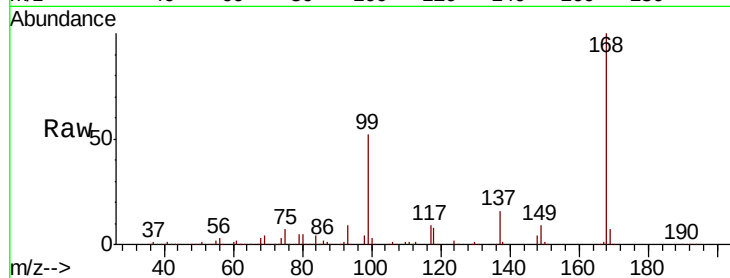
Tot Ion: 56 Resp: 42550

Ion Ratio Lower Upper

56 100

69 125.9 25.8 38.6#

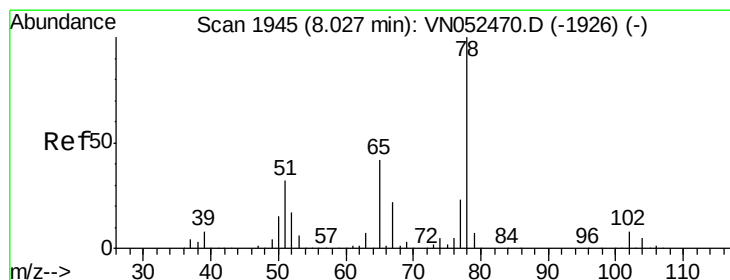
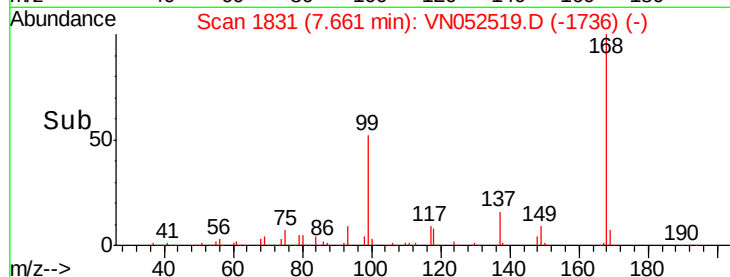
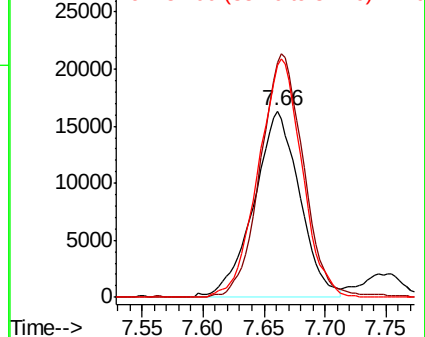
84 124.4 65.3 97.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052519.D

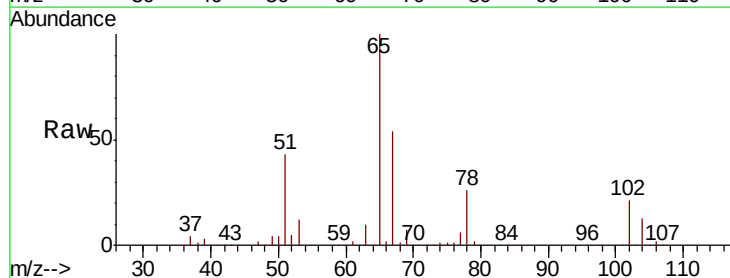
Acq: 28 Nov 2018 15:01

Tgt Ion: 65 Resp: 711381

Ion Ratio Lower Upper

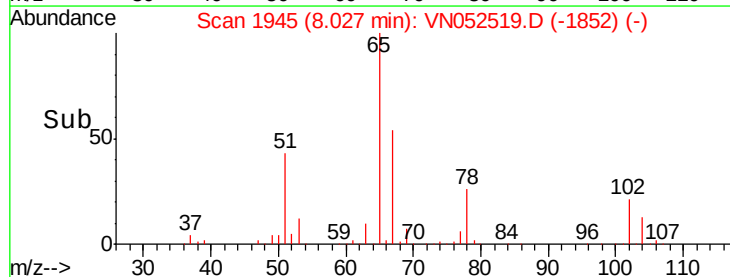
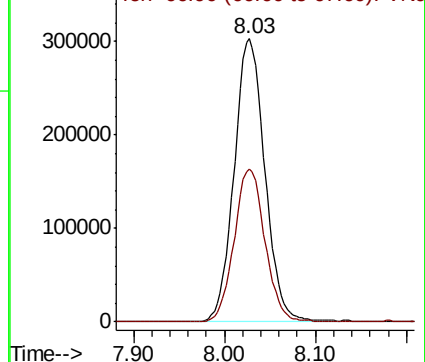
65 100

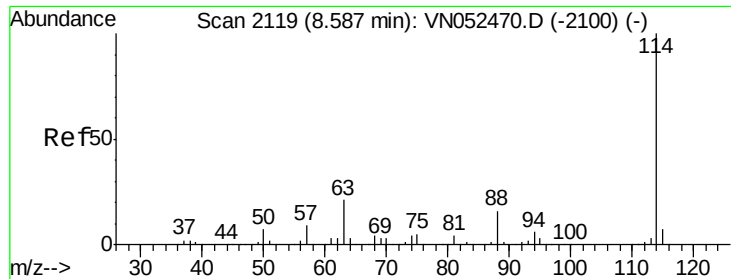
67 54.2 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

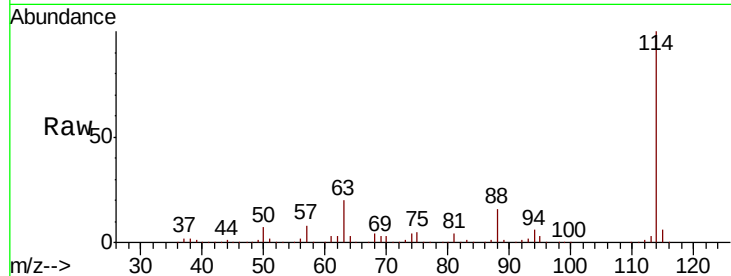




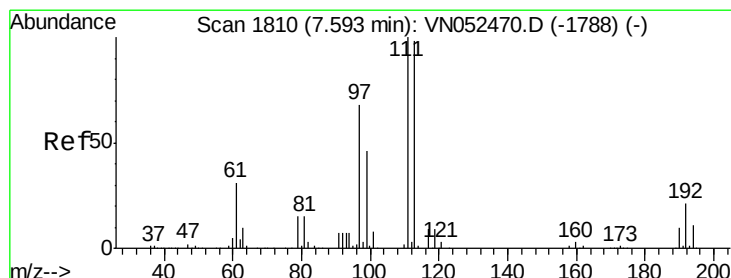
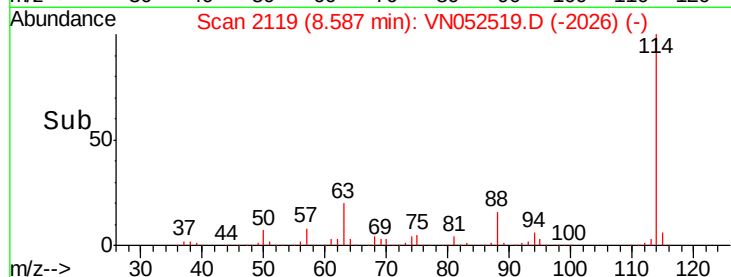
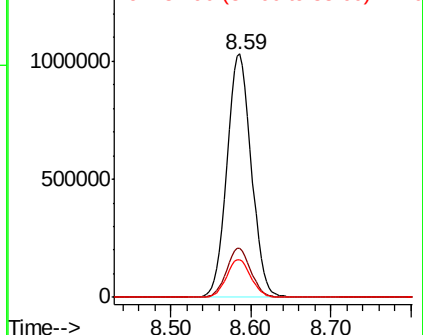
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

Instrument :
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Tot Ion:114 Resp: 2151363
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.6 0.0 31.6

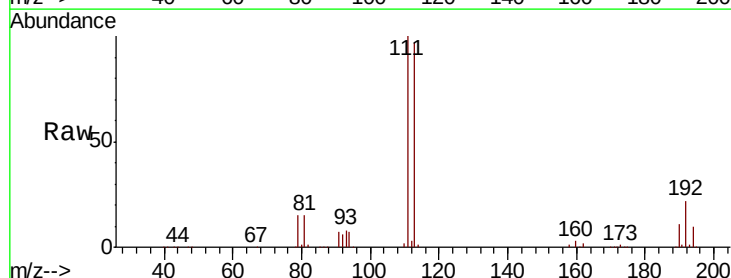


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

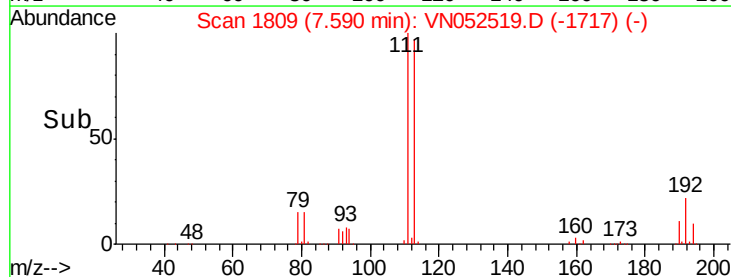
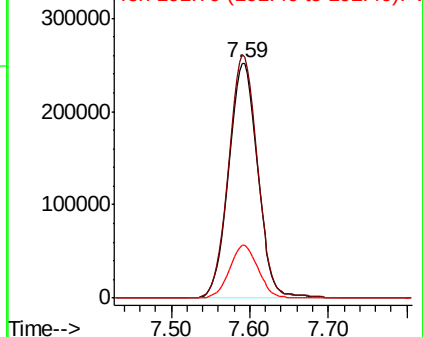


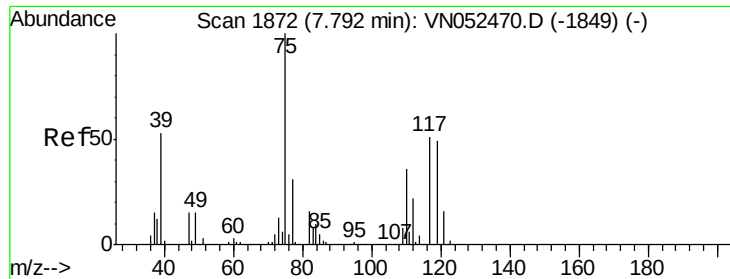
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

Tgt Ion:113 Resp: 645159
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.0 123.0
 192 22.1 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: 4.744 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

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OILY-WATERDL

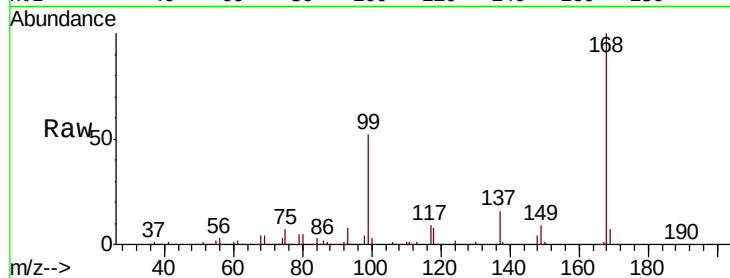
Tot Ion: 75 Resp: 96387

Ion Ratio Lower Upper

75 100

110 9.0 17.5 52.6#

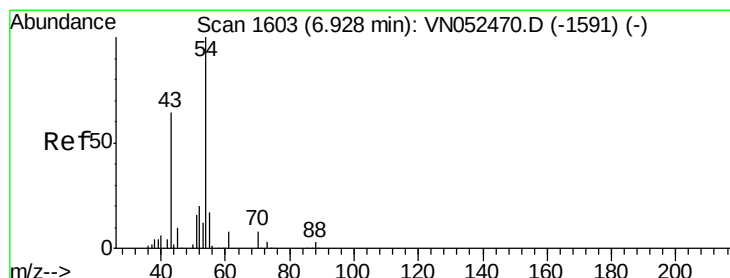
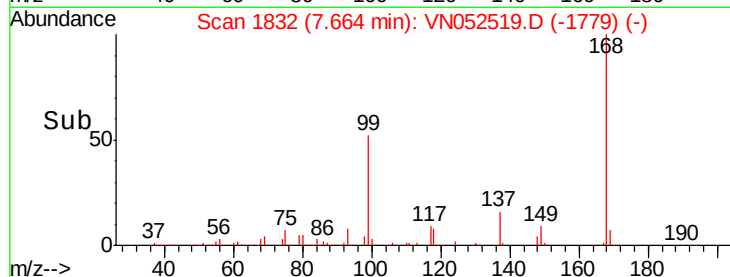
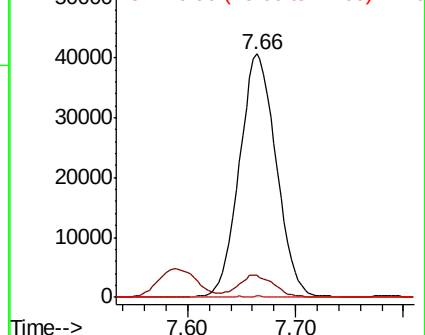
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 15.379 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

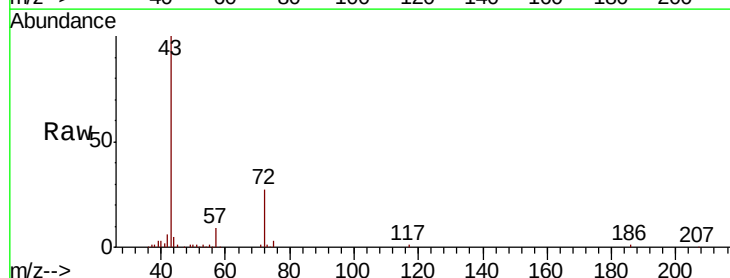
Tgt Ion: 43 Resp: 190674

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

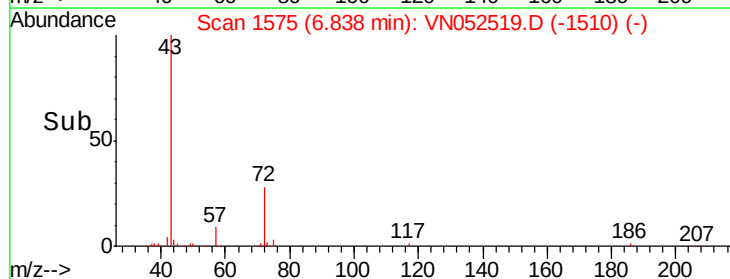
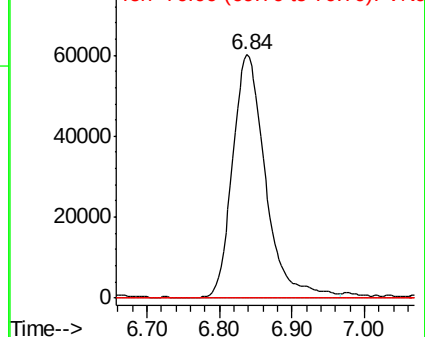
70 0.0 7.8 11.8#

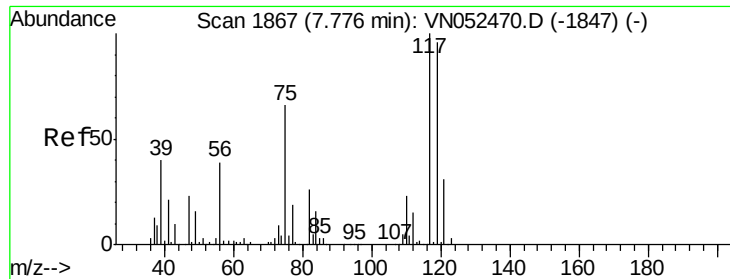


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

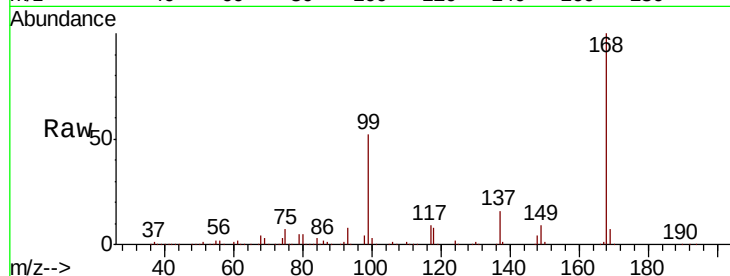




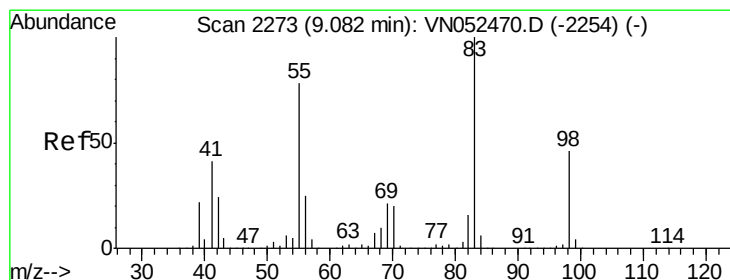
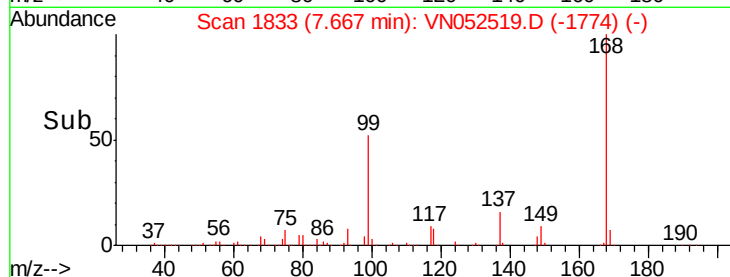
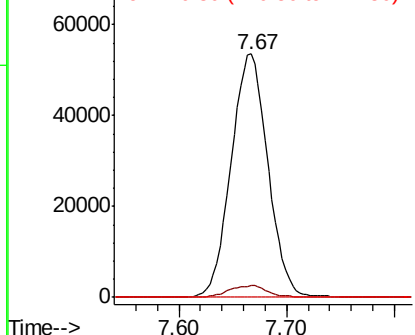
#38
Carbon Tetrachloride
Concen: 6.897 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion:117 Resp: 126838
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.9 37.3#

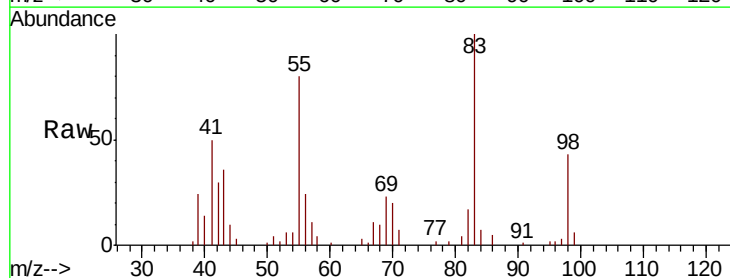


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

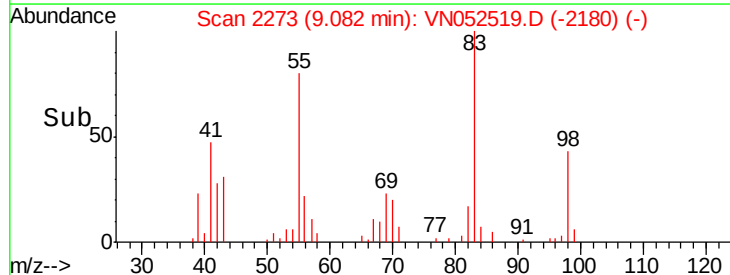
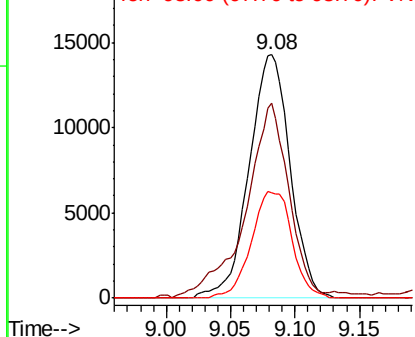


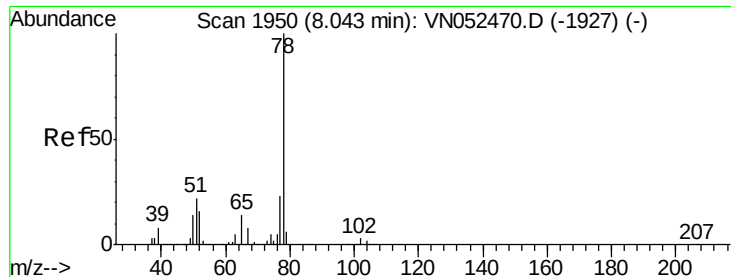
#39
Methylcyclohexane
Concen: 1.285 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 83 Resp: 31741
Ion Ratio Lower Upper
83 100
55 77.5 62.2 93.2
98 43.3 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: 5.056 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

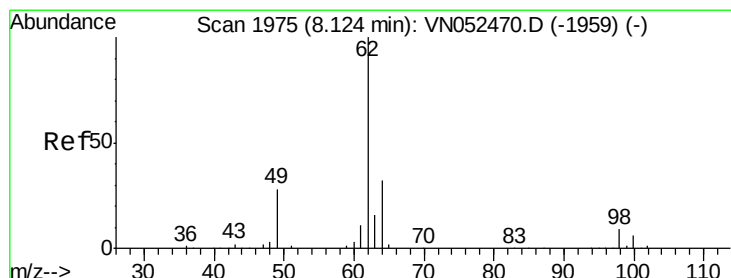
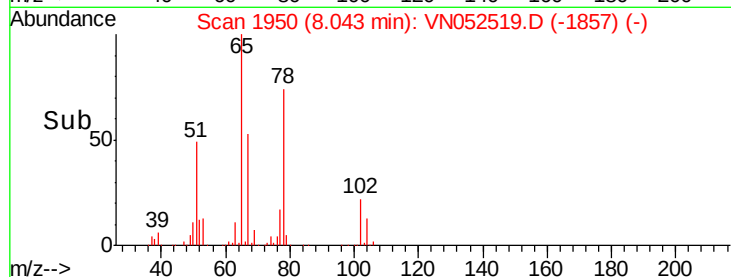
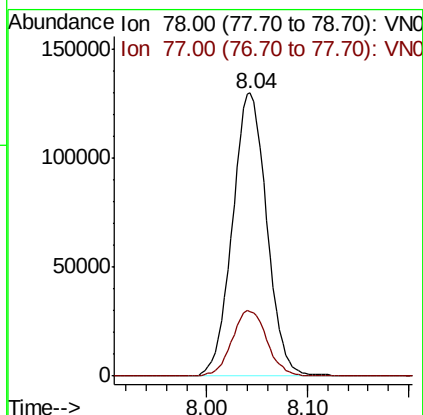
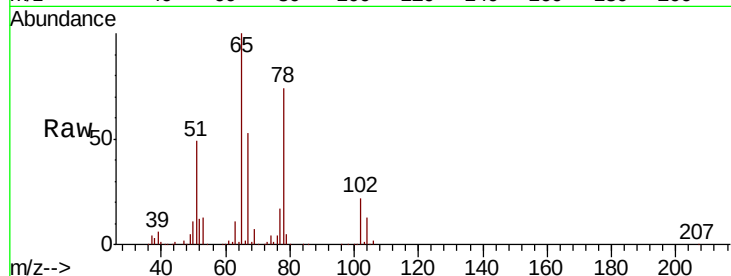
OILY-WATERDL

Tot Ion: 78 Resp: 306118

Ion Ratio Lower Upper

78 100

77 22.9 18.8 28.2



#42

1,2-Dichloroethane

Concen: 0.733 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052519.D

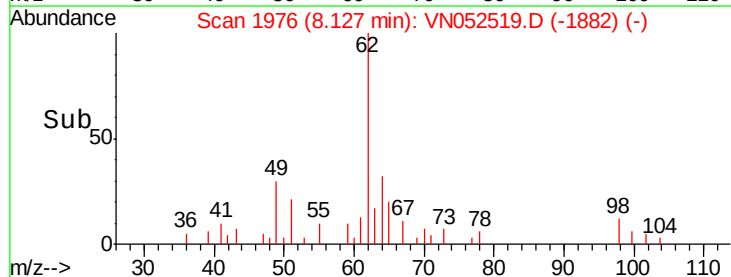
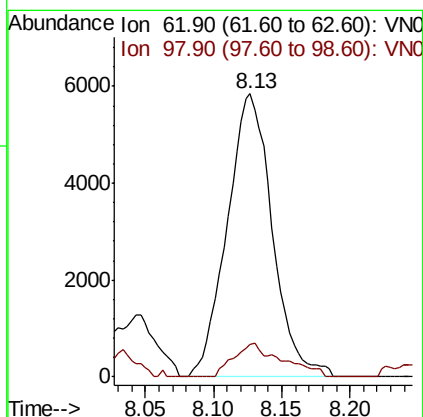
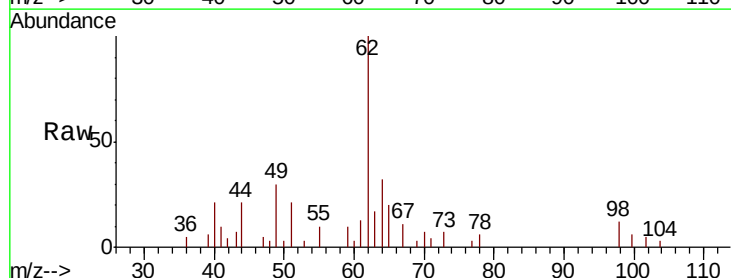
Acq: 28 Nov 2018 15:01

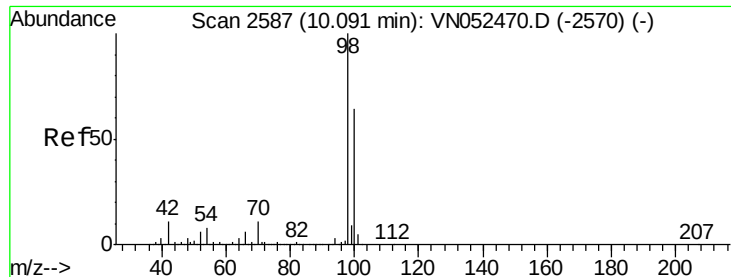
Tgt Ion: 62 Resp: 13432

Ion Ratio Lower Upper

62 100

98 12.8 0.0 18.6

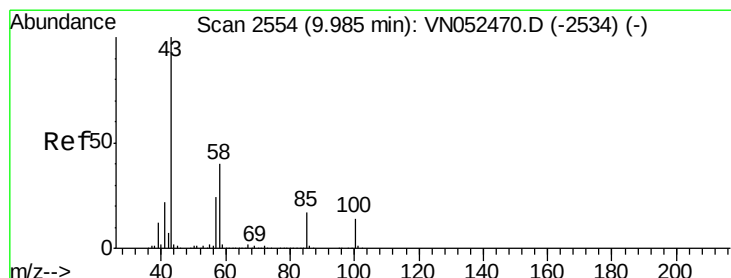
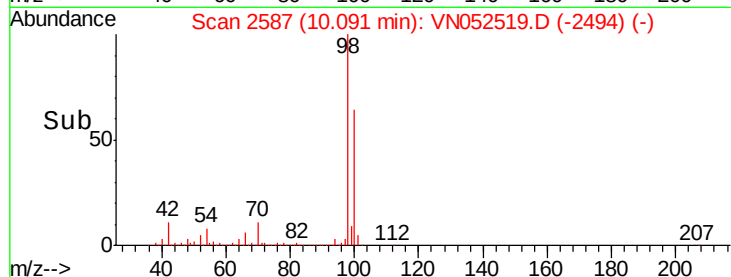
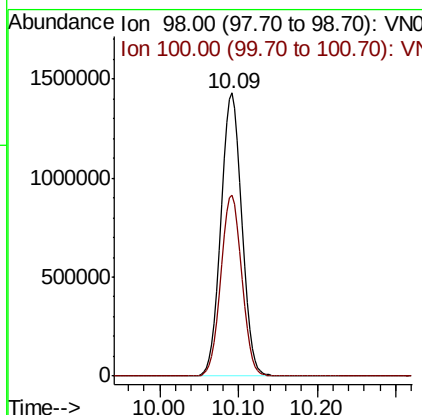
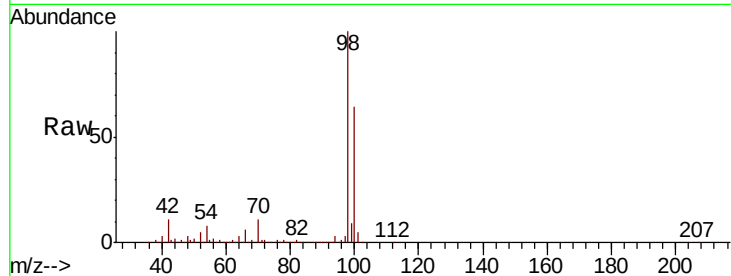




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

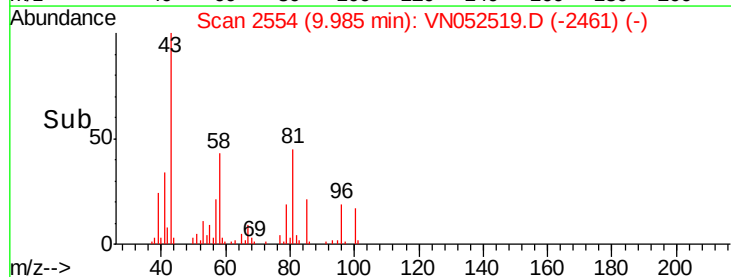
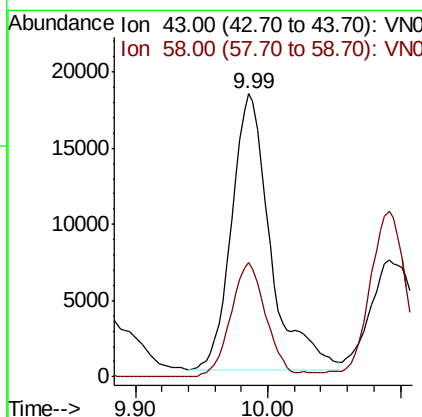
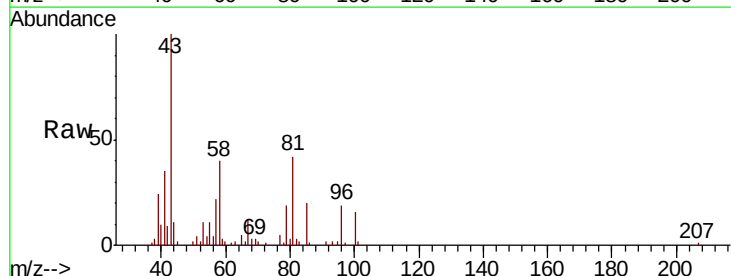
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

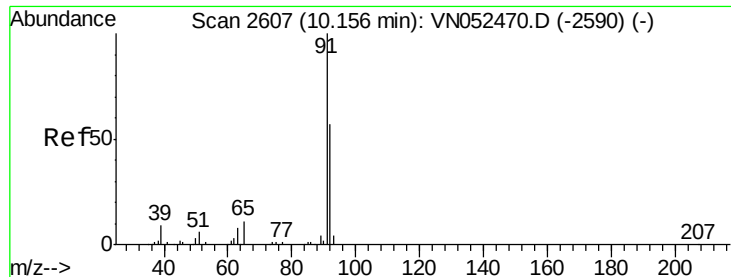
Tot Ion: 98 Resp: 2613680
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 3.134 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 43 Resp: 36891
Ion Ratio Lower Upper
43 100
58 37.4 31.5 47.3





#52

Toluene

Concen: 28.979 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

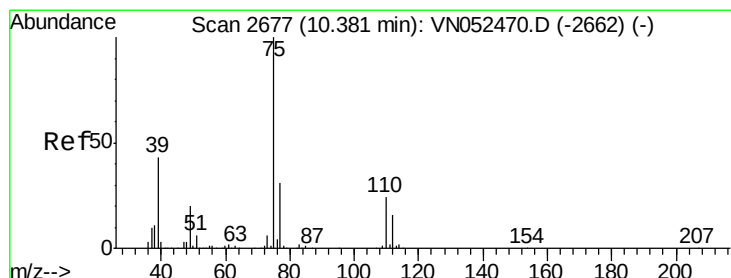
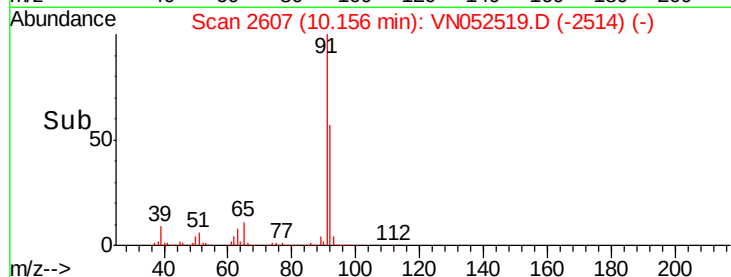
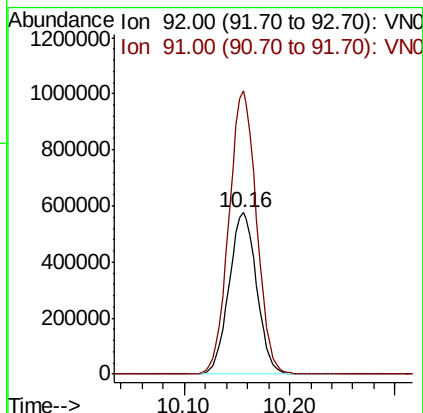
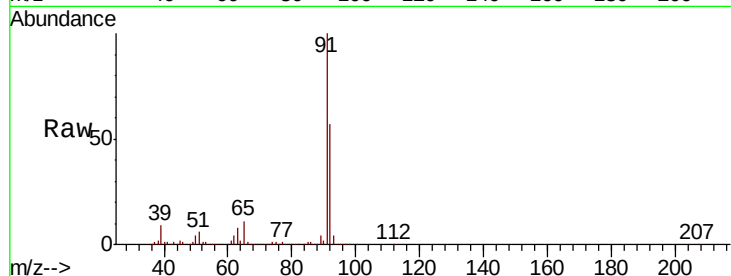
OILY-WATERDL

Tot Ion: 92 Resp: 1042451

Ion Ratio Lower Upper

92 100

91 174.7 141.0 211.4



#53

t-1,3-Dichloropropene

Concen: 0.613 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN052519.D

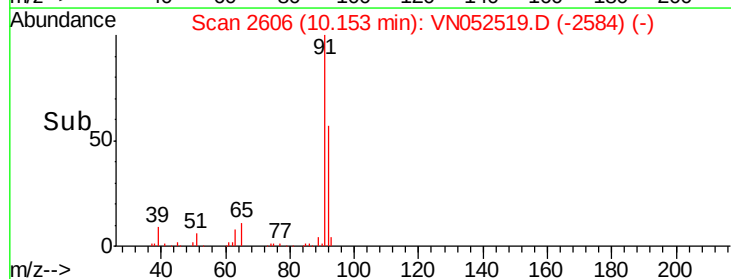
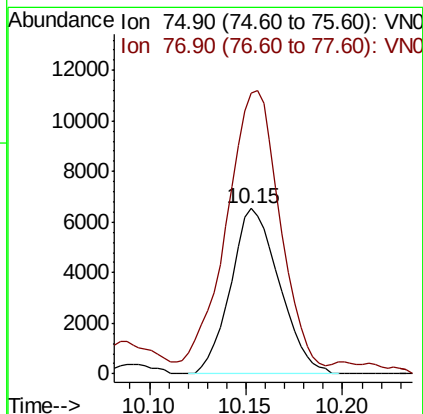
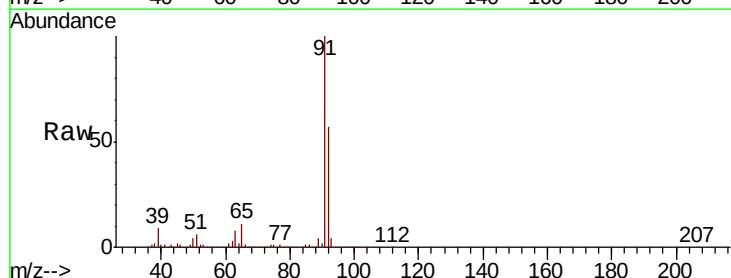
Acq: 28 Nov 2018 15:01

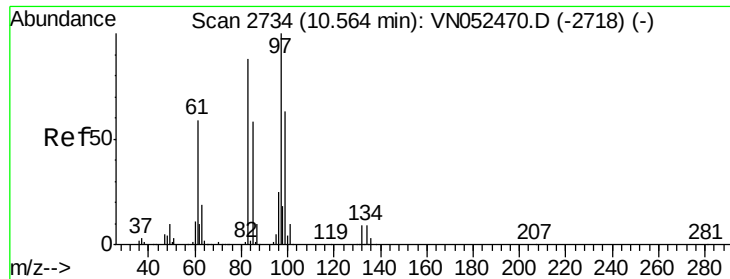
Tgt Ion: 75 Resp: 11426

Ion Ratio Lower Upper

75 100

77 163.1 25.0 37.4#





#55

1,1,2-Trichloroethane

Concen: 0.324 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

Tot Ion: 97 Resp: 4099

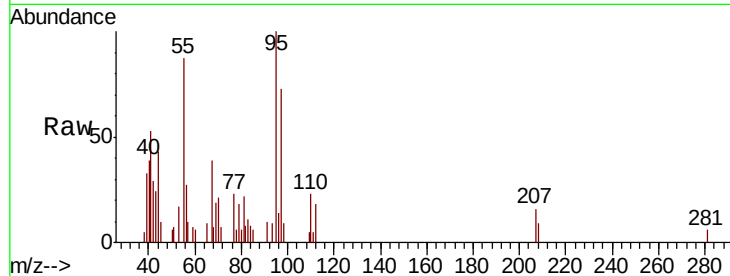
Ion Ratio Lower Upper

97 100

83 15.4 70.7 106.1#

85 8.6 46.1 69.1#

99 0.0 50.8 76.2#

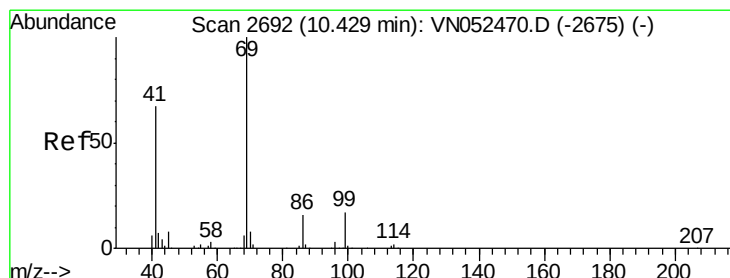
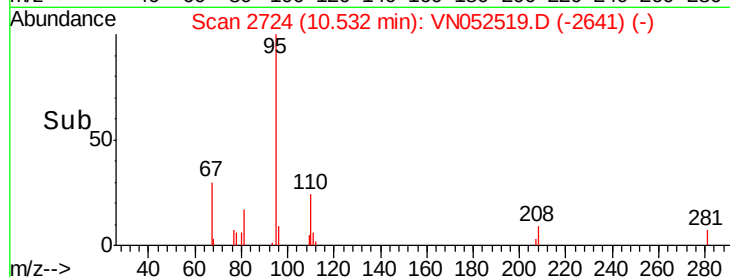
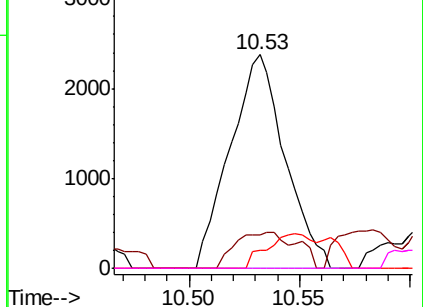


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 2.763 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

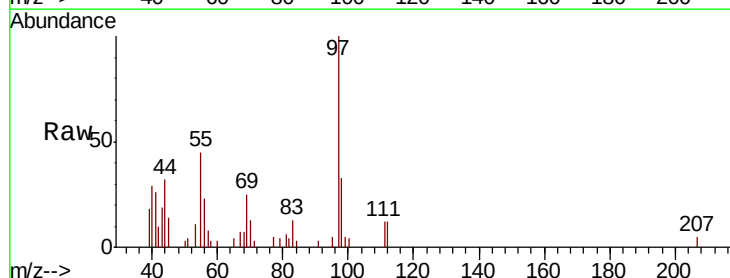
Tgt Ion: 69 Resp: 1295

Ion Ratio Lower Upper

69 100

41 51.5 52.6 79.0#

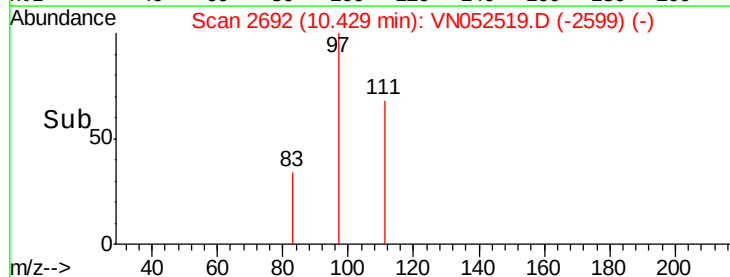
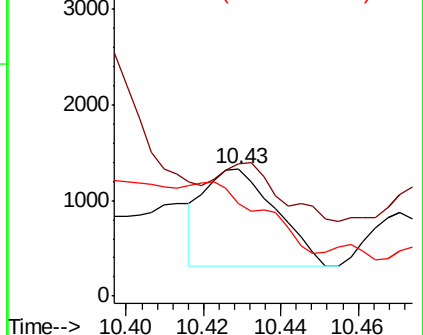
39 0.0 25.9 38.9#

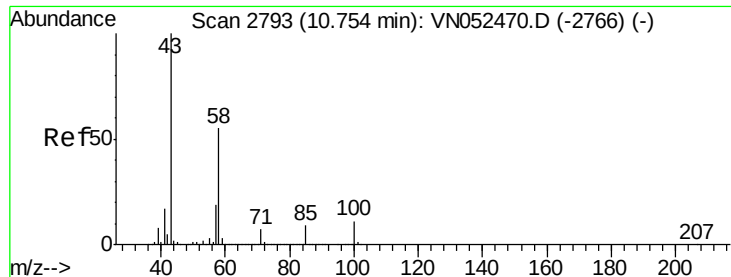


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

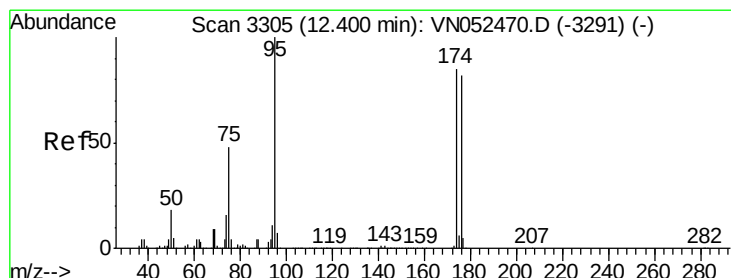
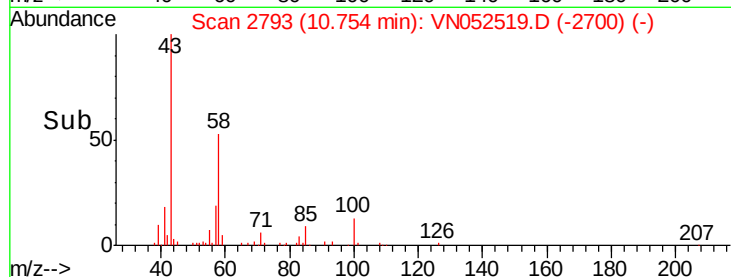
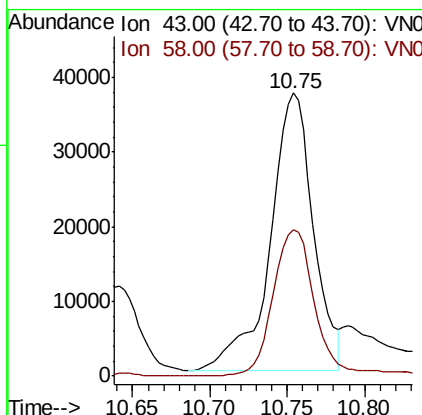
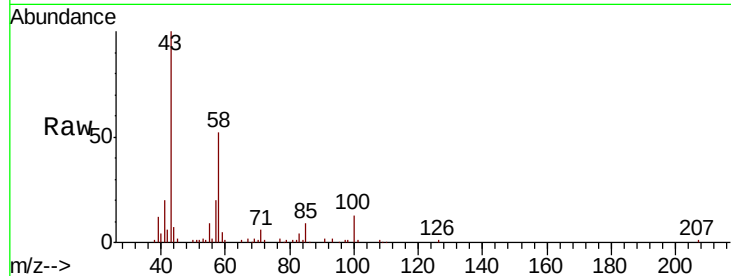




#59
2-Hexanone
Concen: 9.132 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

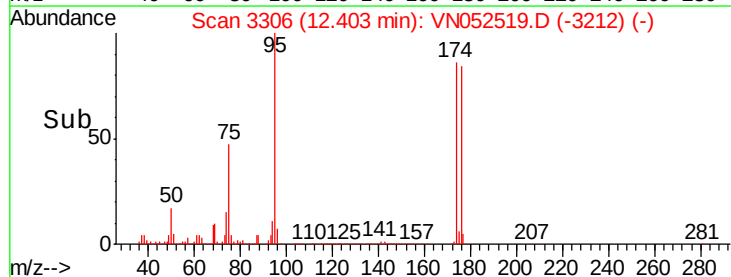
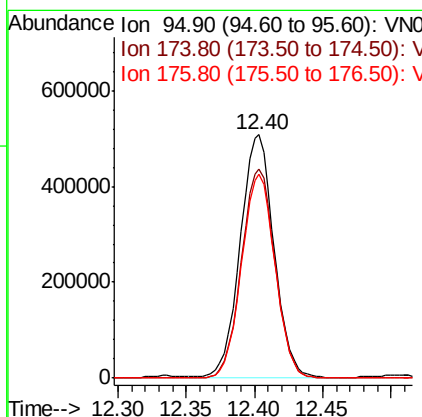
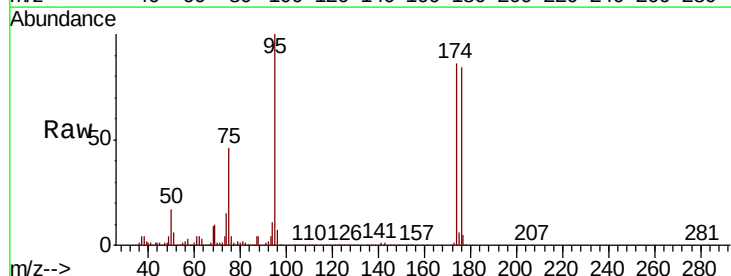
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

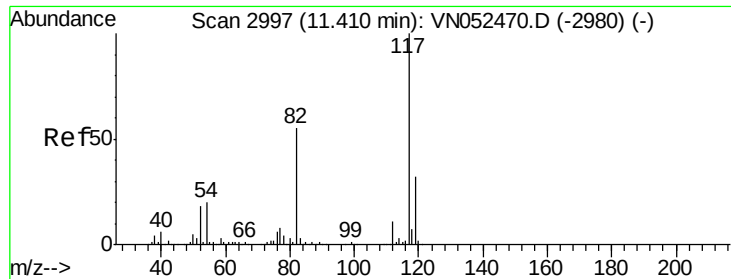
Tot Ion: 43 Resp: 72153
Ion Ratio Lower Upper
43 100
58 52.0 27.4 82.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 95 Resp: 871451
Ion Ratio Lower Upper
95 100
174 85.4 0.0 173.0
176 82.8 0.0 166.2

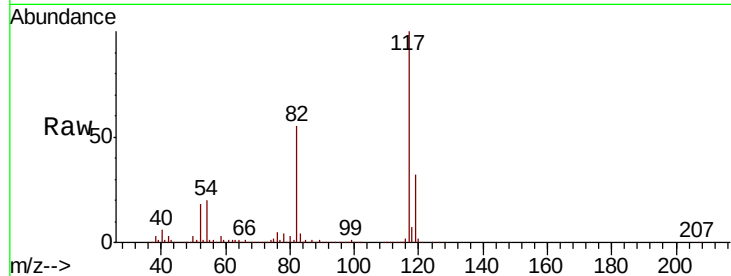




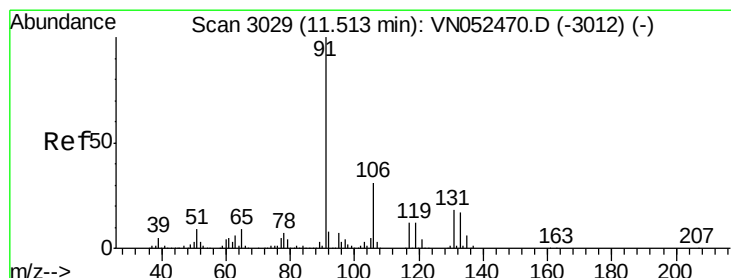
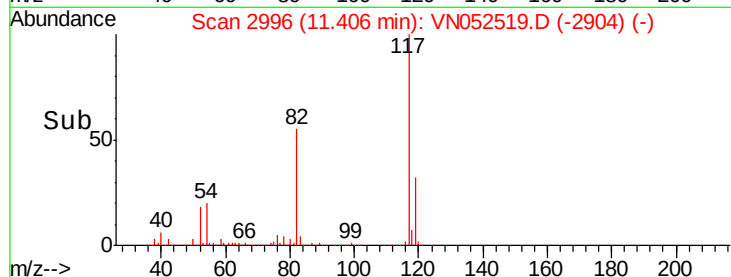
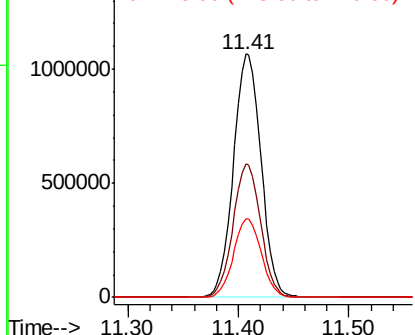
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampled :
OILY-WATERDL

Tot Ion:117 Resp: 1854331
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 32.3 25.4 38.2

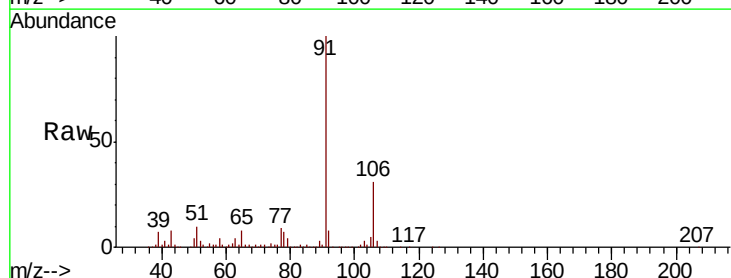


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

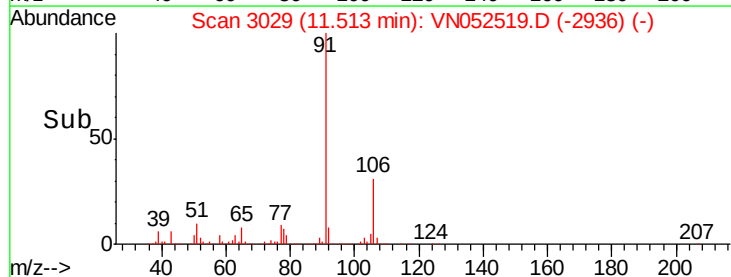
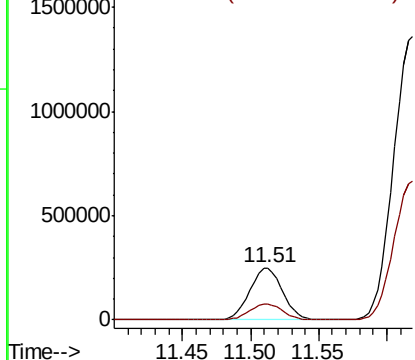


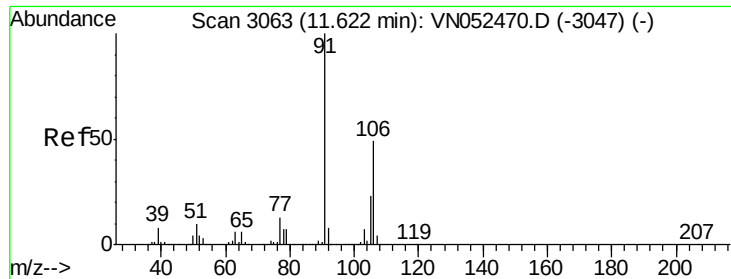
#67
Ethyl Benzene
Concen: 6.223 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion: 91 Resp: 416699
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



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

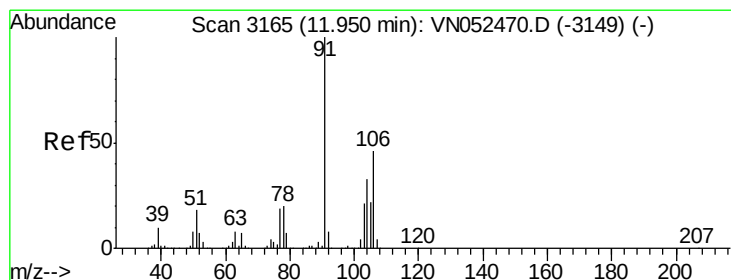
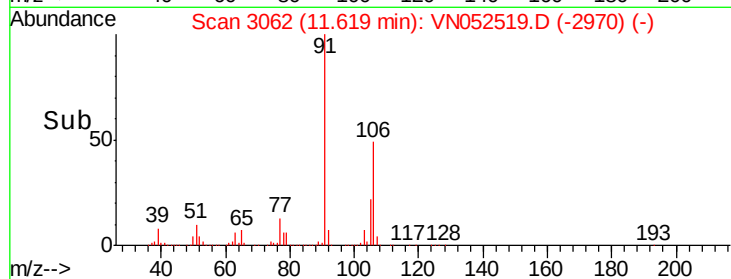
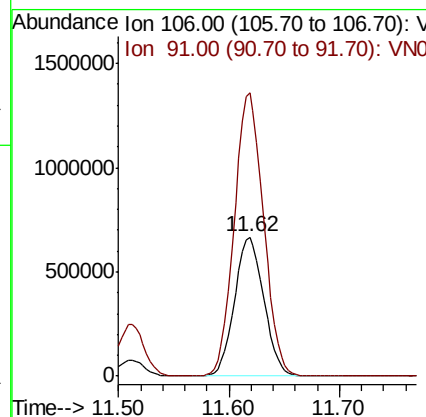
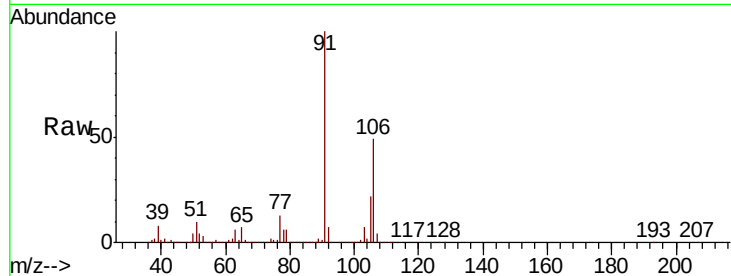




#68
m/p-Xylenes
Concen: 49.198 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

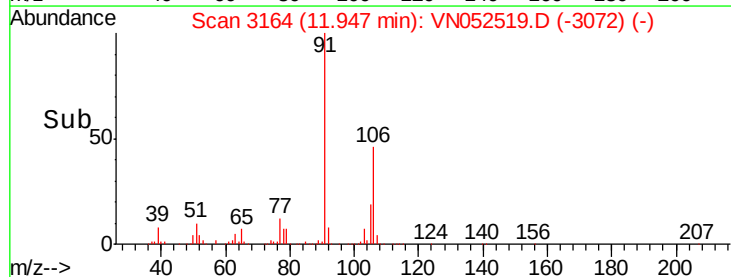
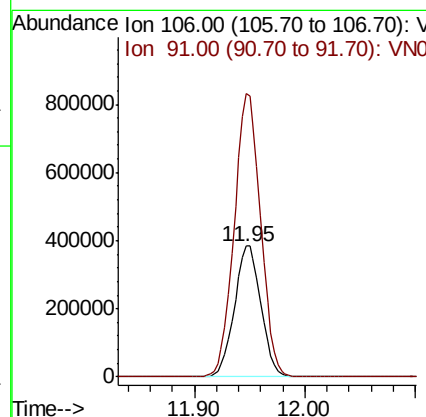
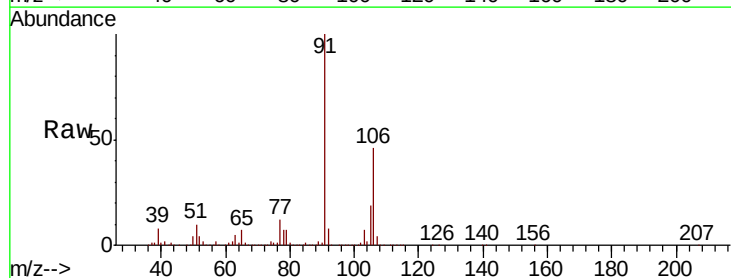
Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

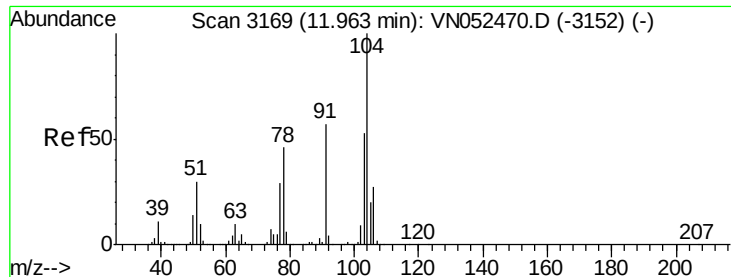
Tot Ion:106 Resp: 1226354
Ion Ratio Lower Upper
106 100
91 203.6 163.2 244.8



#69
o-Xylene
Concen: 26.376 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion:106 Resp: 638453
Ion Ratio Lower Upper
106 100
91 215.4 107.7 323.1





#70

Stvrene

Concen: 0.816 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

OILY-WATERDL

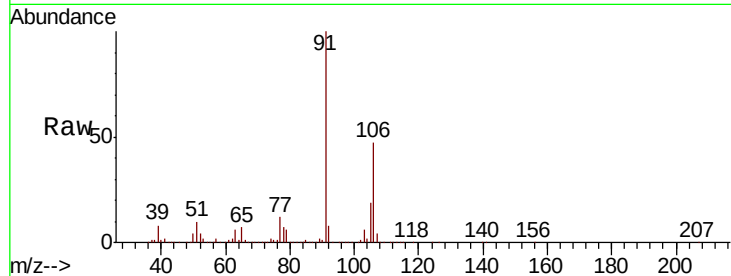
Tot Ion:104 Resp: 31466

Ion Ratio Lower Upper

104 100

78 290.0 39.4 59.2#

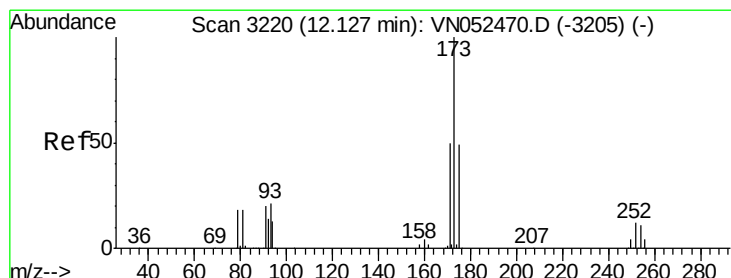
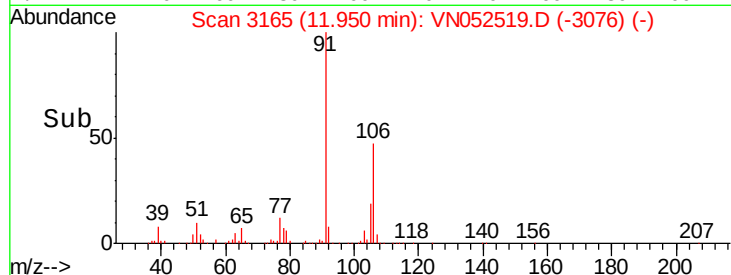
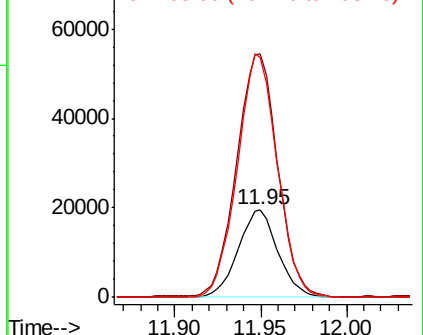
103 279.3 44.9 67.3#



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: 0.542 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

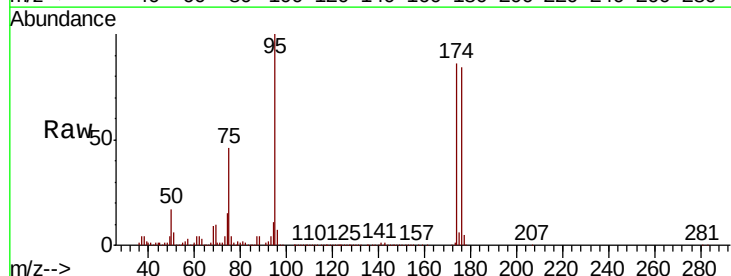
Tgt Ion:173 Resp: 4772

Ion Ratio Lower Upper

173 100

175 980.7 24.4 73.2#

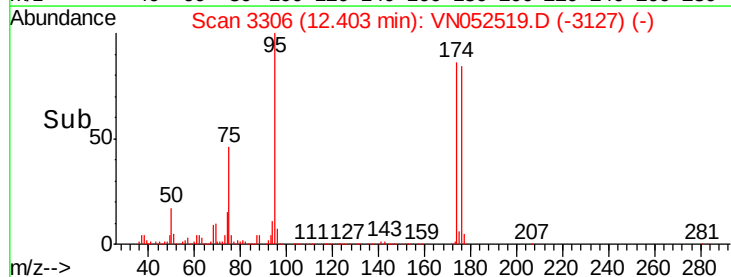
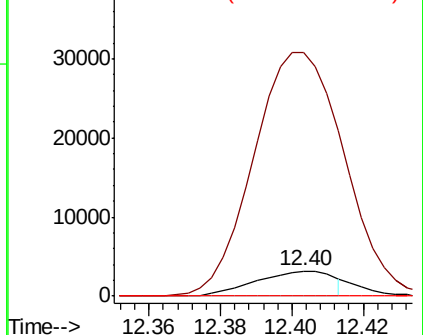
254 0.0 0.1 0.1#

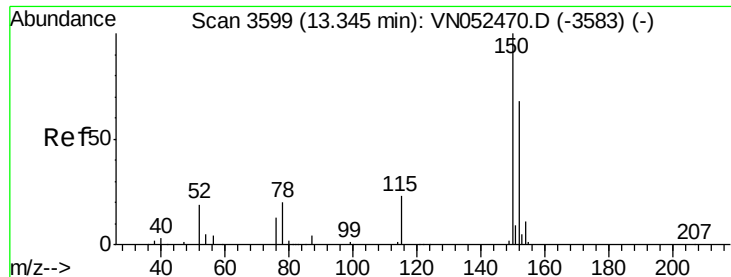


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

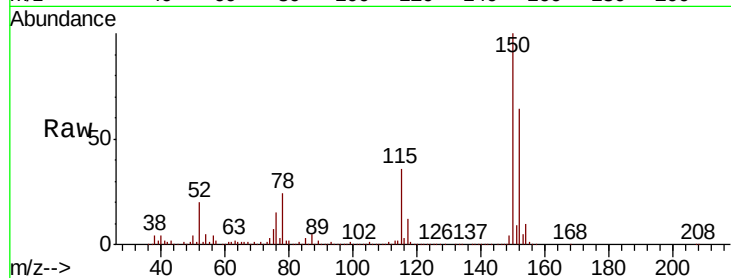
Tot Ion:152 Resp: 774457

Ion Ratio Lower Upper

152 100

115 58.8 28.4 85.2

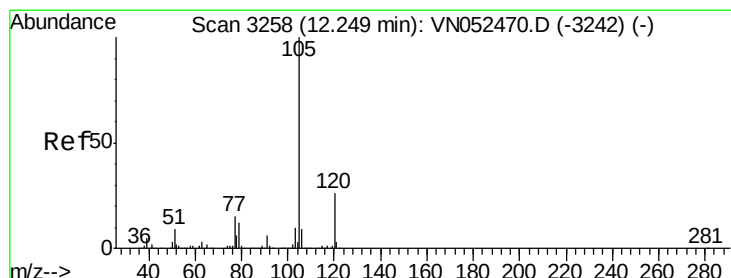
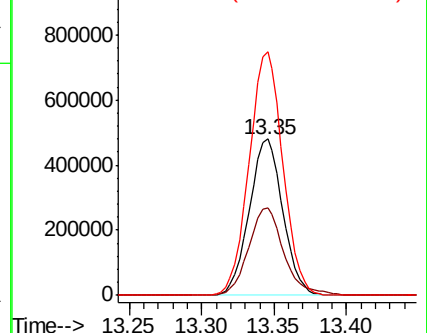
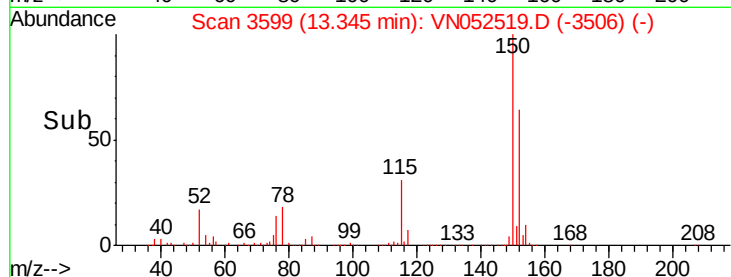
150 156.1 0.0 346.0



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: 0.637 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052519.D

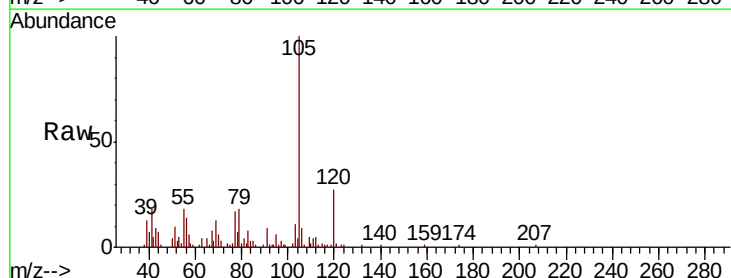
Acq: 28 Nov 2018 15:01

Tgt Ion:105 Resp: 38691

Ion Ratio Lower Upper

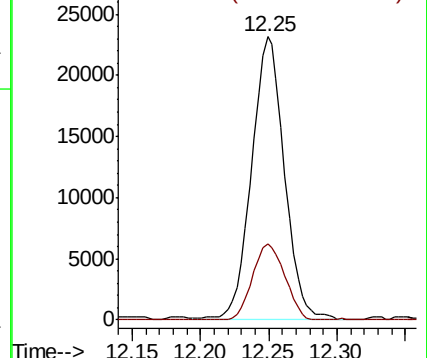
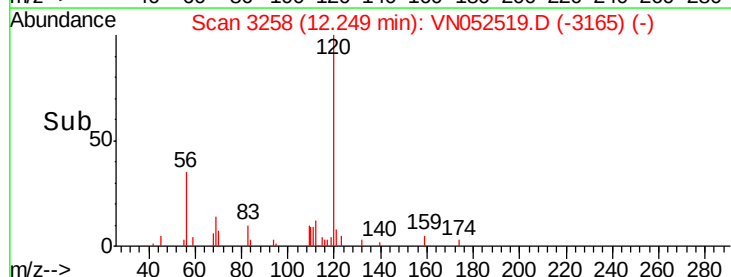
105 100

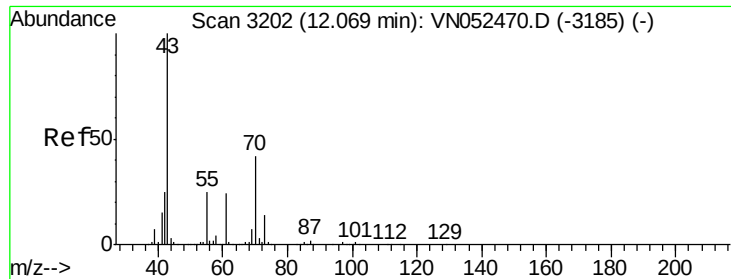
120 26.3 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 3.723 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleID :

OILY-WATERDL

Tot Ion: 43 Resp: 57143

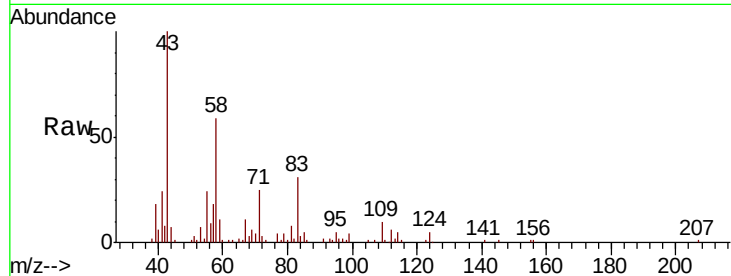
Ion Ratio Lower Upper

43 100

70 1.3 33.8 50.8#

55 24.7 20.0 30.0

61 0.0 19.7 29.5#

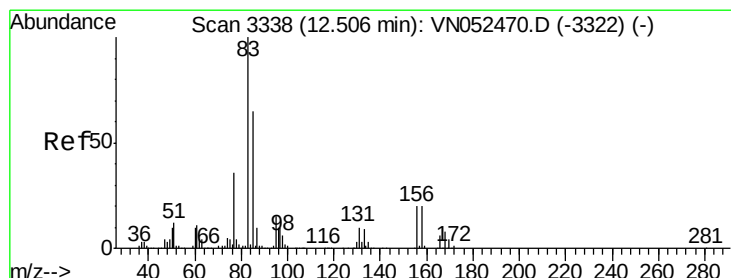
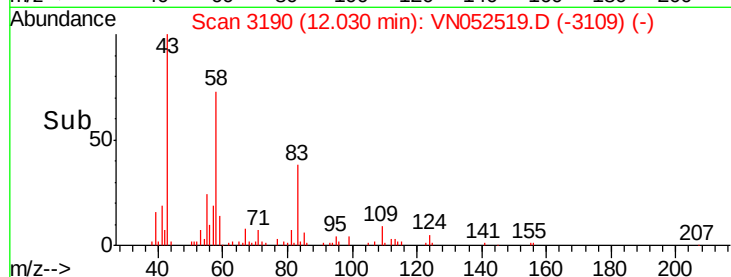
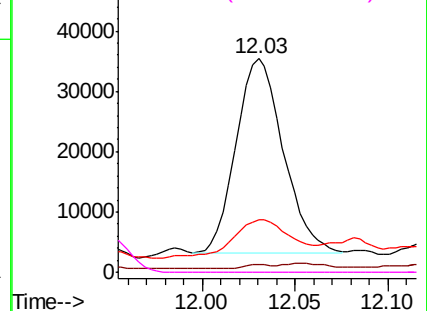


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 0.283 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

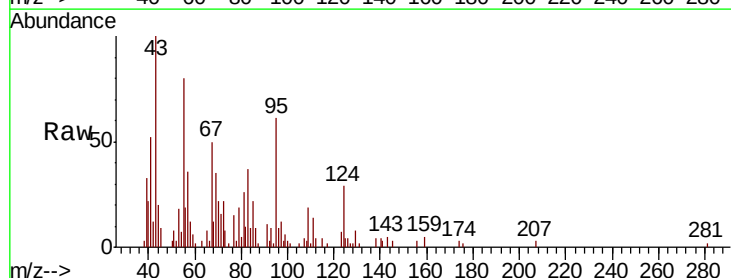
Tgt Ion: 83 Resp: 3908

Ion Ratio Lower Upper

83 100

131 2.9 5.0 15.0#

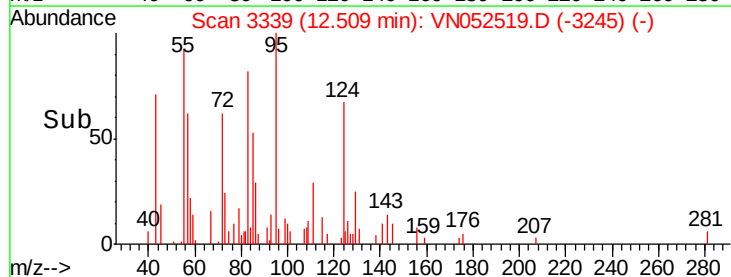
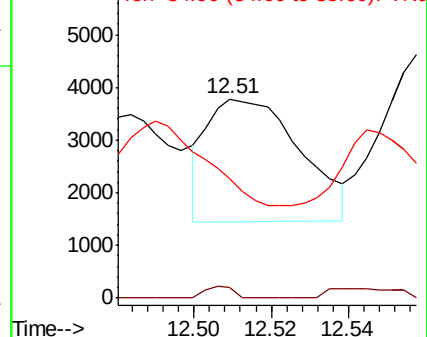
85 0.0 31.9 95.9#

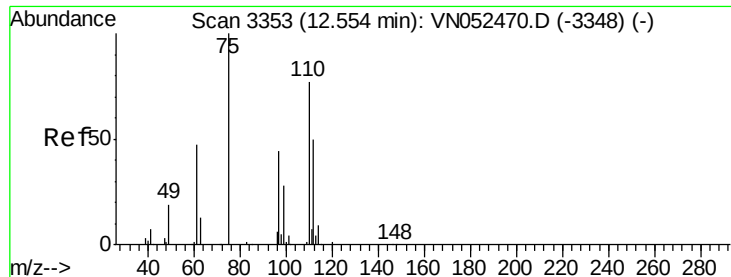


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 33.890 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

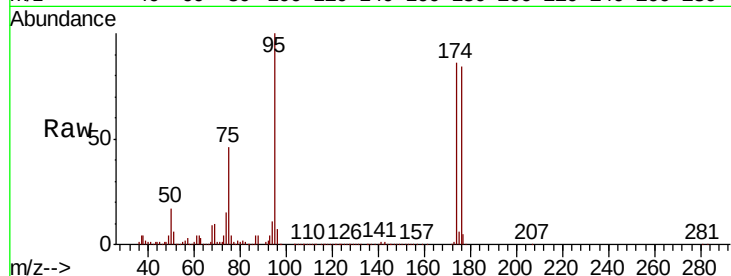
OILY-WATERDL

Tot Ion: 75 Resp: 404730

Ion Ratio Lower Upper

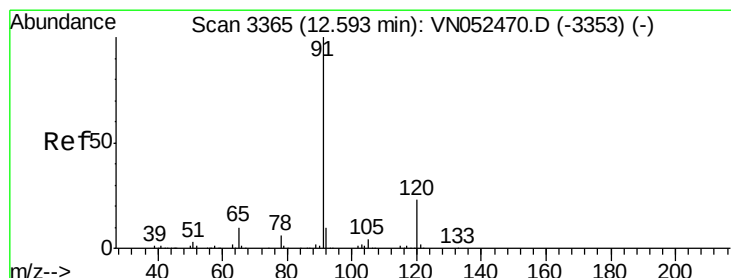
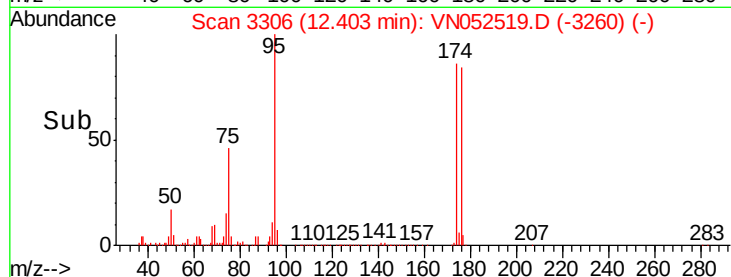
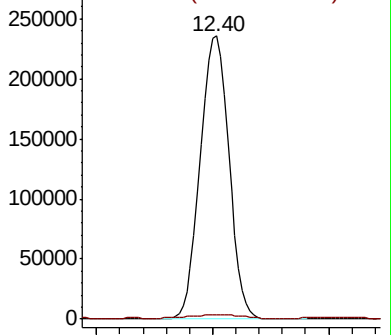
75 100

77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 1.859 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052519.D

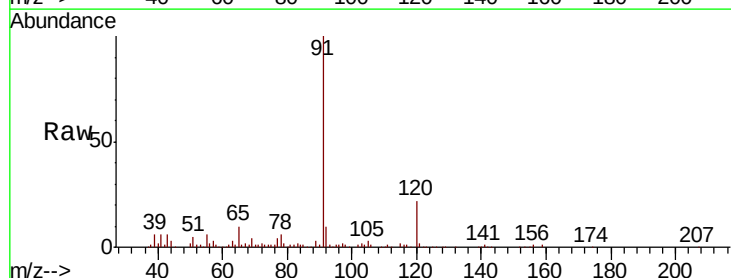
Acq: 28 Nov 2018 15:01

Tgt Ion: 91 Resp: 128344

Ion Ratio Lower Upper

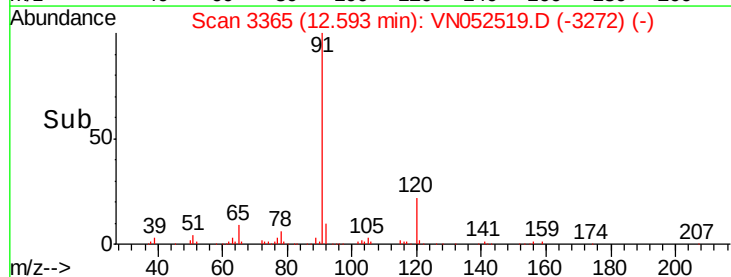
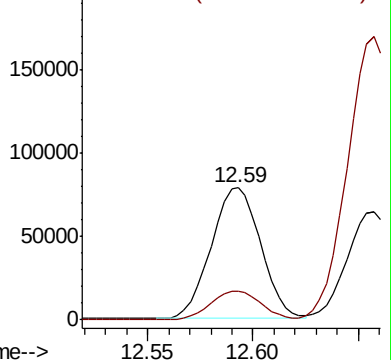
91 100

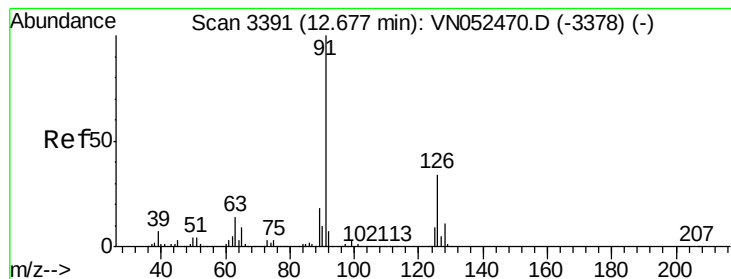
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.562 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

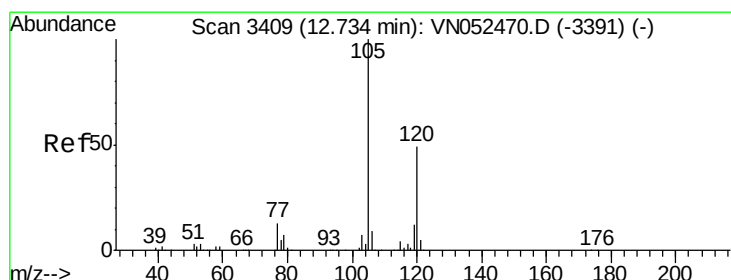
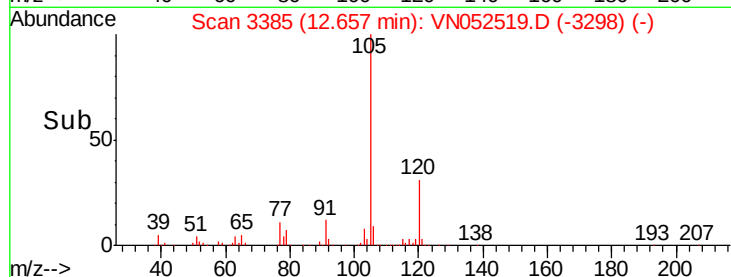
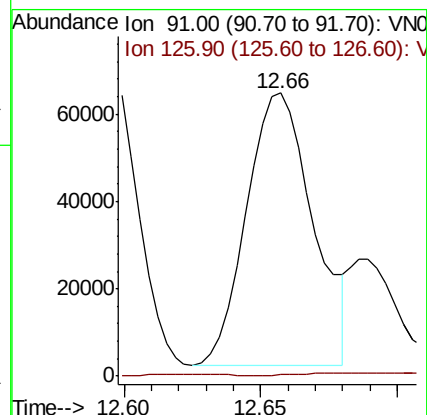
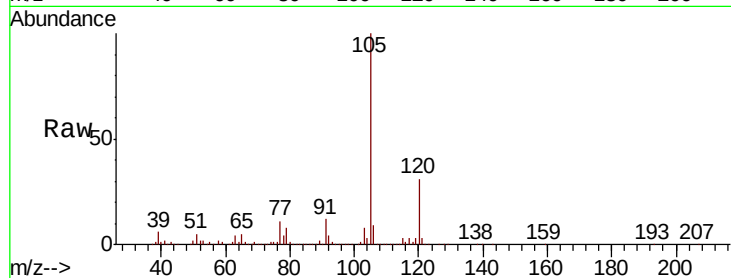
OILY-WATERDL

Tot Ion: 91 Resp: 105312

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#80

1,3,5-Trimethylbenzene

Concen: 9.378 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052519.D

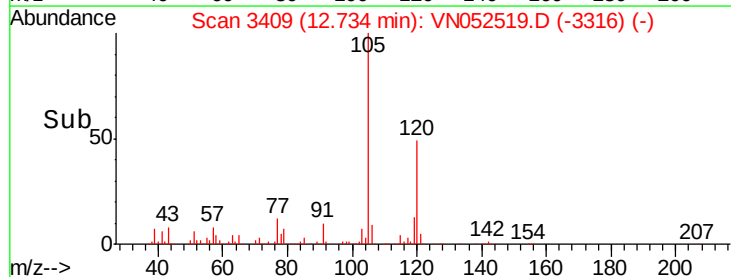
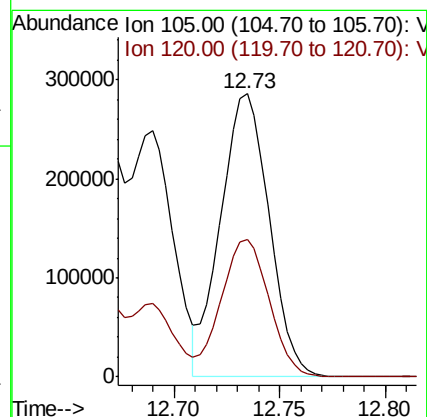
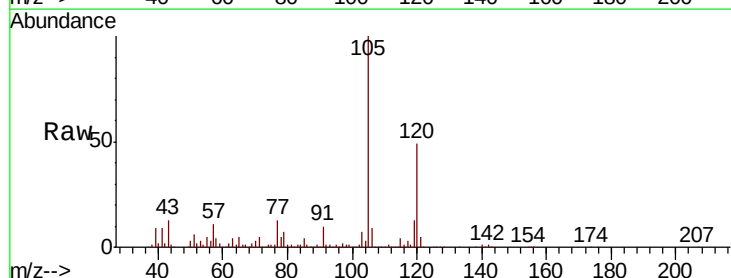
Acq: 28 Nov 2018 15:01

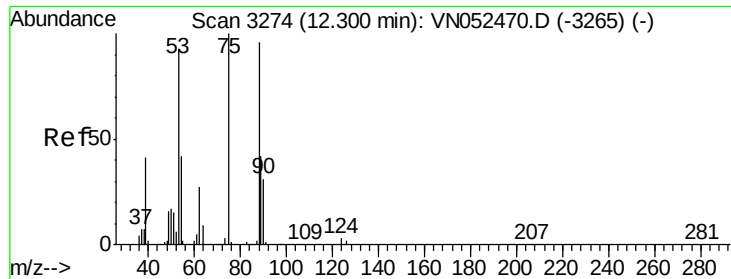
Tgt Ion: 105 Resp: 454464

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 113.176 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

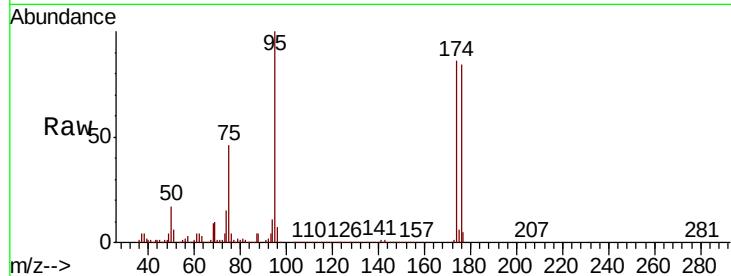
Tot Ion: 75 Resp: 404730

Ion Ratio Lower Upper

75 100

53 1.1 77.4 116.0#

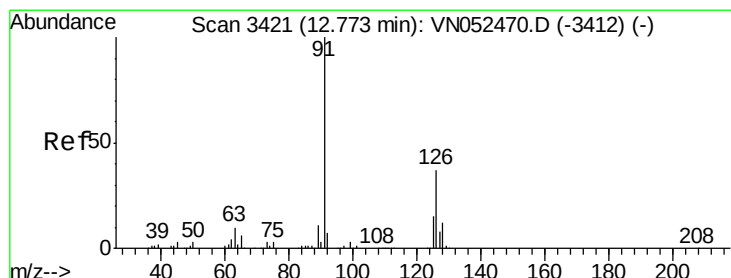
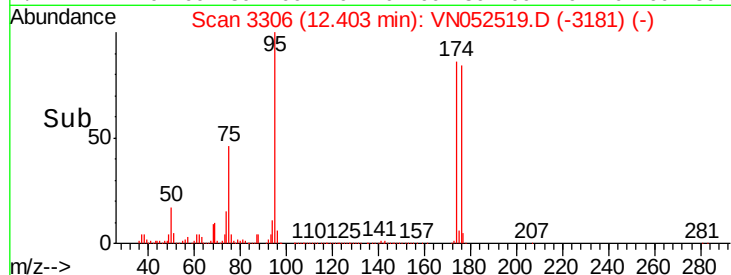
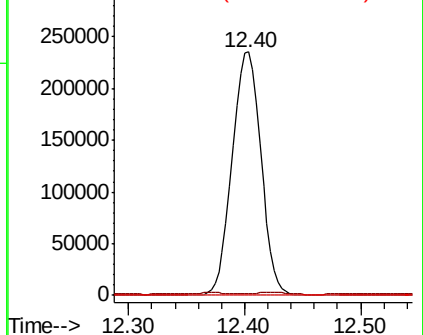
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.038 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052519.D

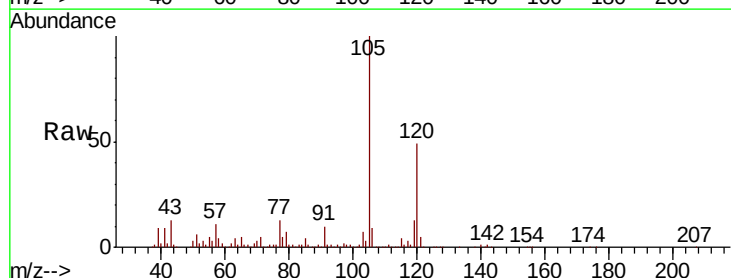
Acq: 28 Nov 2018 15:01

Tgt Ion: 91 Resp: 43012

Ion Ratio Lower Upper

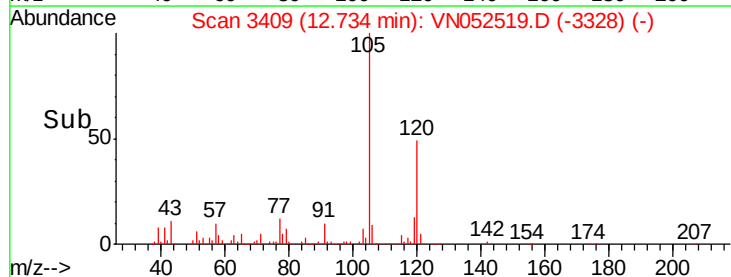
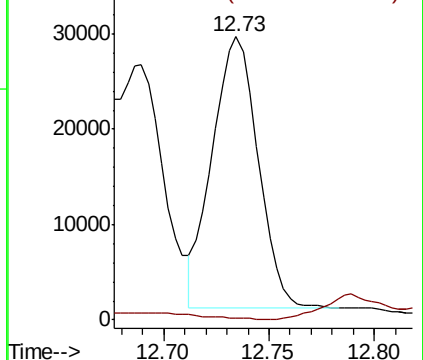
91 100

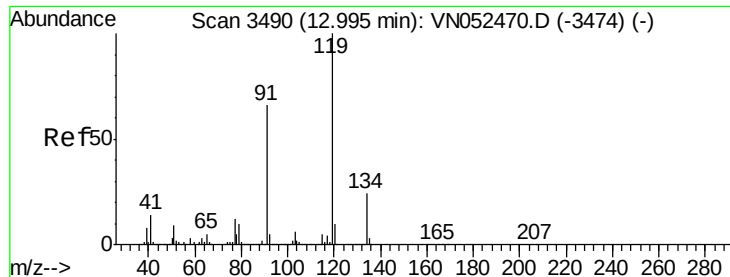
126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.063 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampled :

OILY-WATERDL

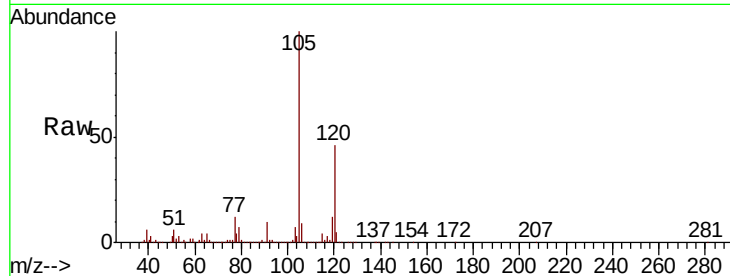
Tot Ion:119 Resp: 218747

Ion Ratio Lower Upper

119 100

91 79.6 32.3 96.9

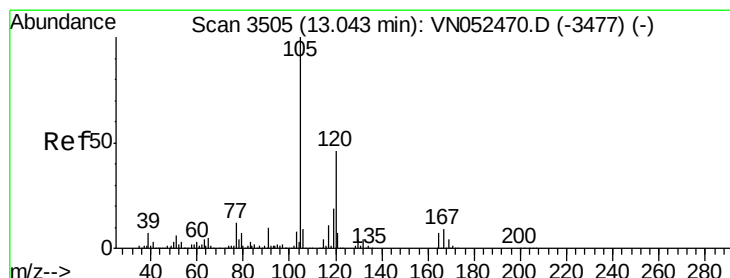
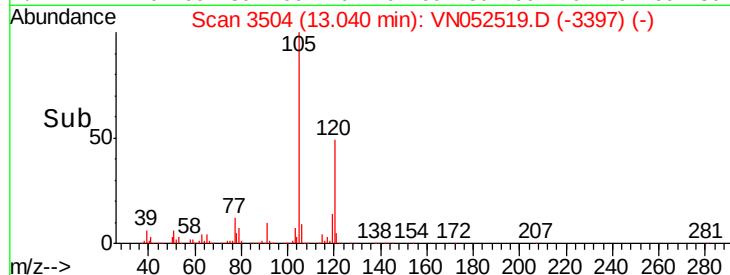
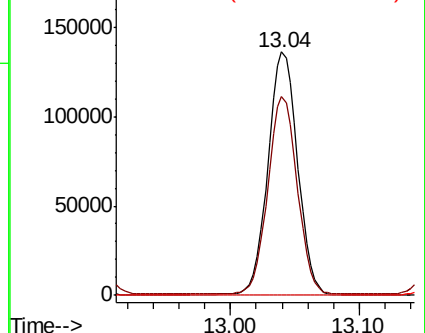
134 0.0 13.0 38.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 36.444 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052519.D

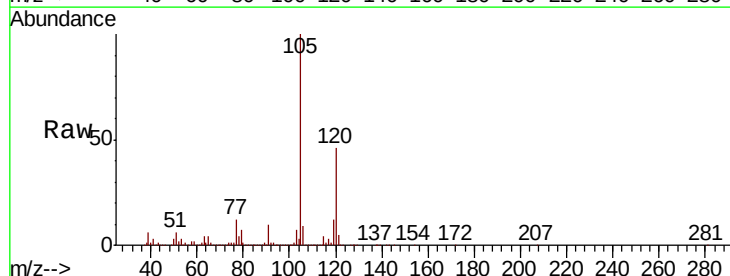
Acq: 28 Nov 2018 15:01

Tgt Ion:105 Resp: 1769892

Ion Ratio Lower Upper

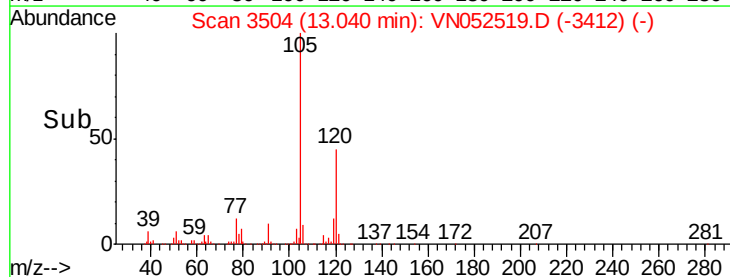
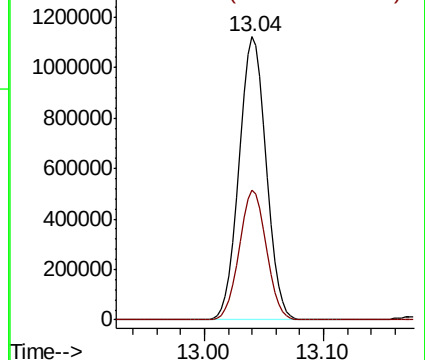
105 100

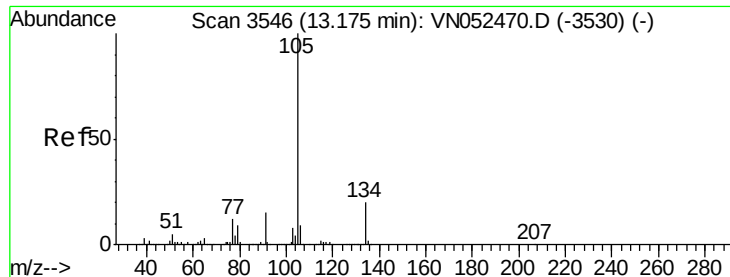
120 45.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 30.079 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

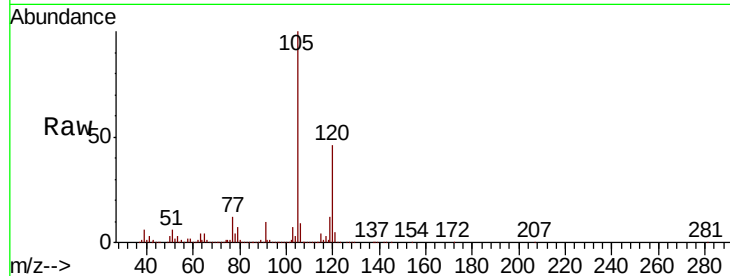
OILY-WATERDL

Tot Ion:105 Resp: 1769892

Ion Ratio Lower Upper

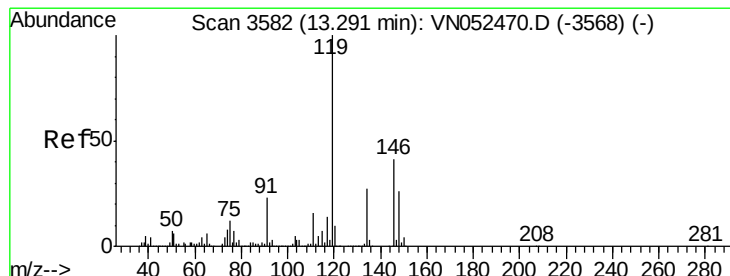
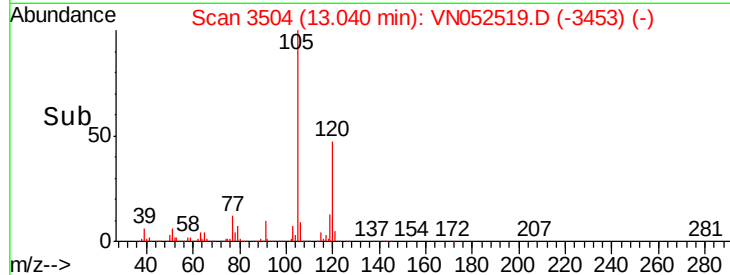
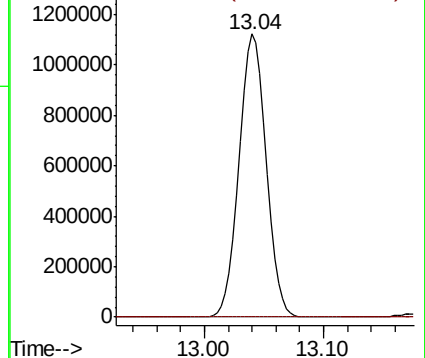
105 100

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



#86

p-Isopropyltoluene

Concen: 0.806 ug/l

RT: 13.24 min Scan# 3565

Delta R.T. -0.05 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

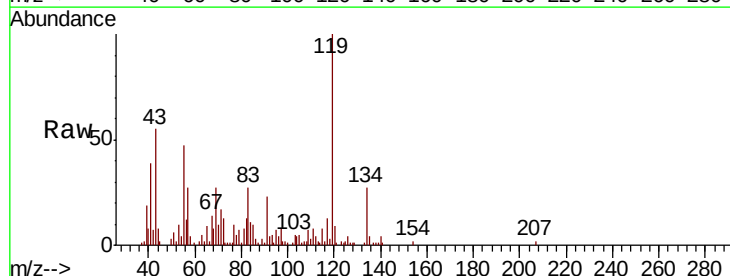
Tgt Ion:119 Resp: 40411

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

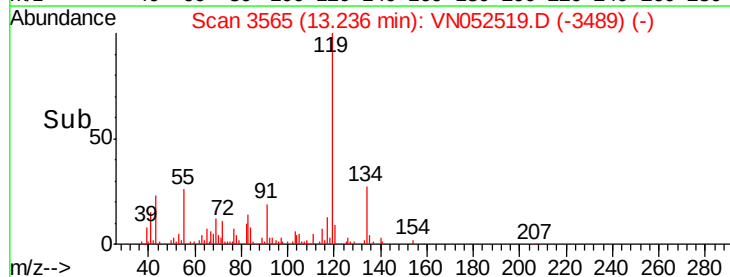
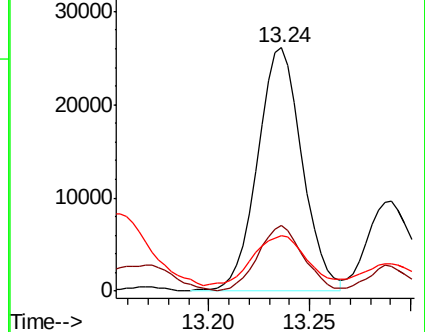
91 23.4 11.4 34.2

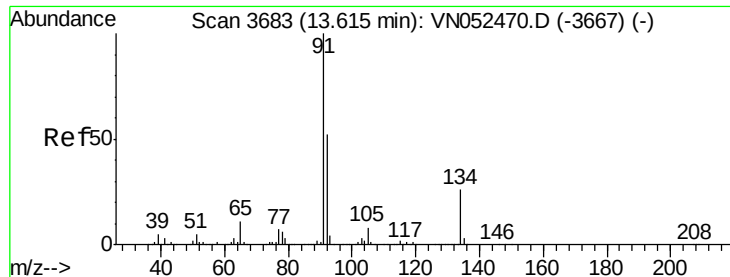


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.715 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052519.D

Acq: 28 Nov 2018 15:01

Instrument :

MSVOA_N

ClientSampleId :

OILY-WATERDL

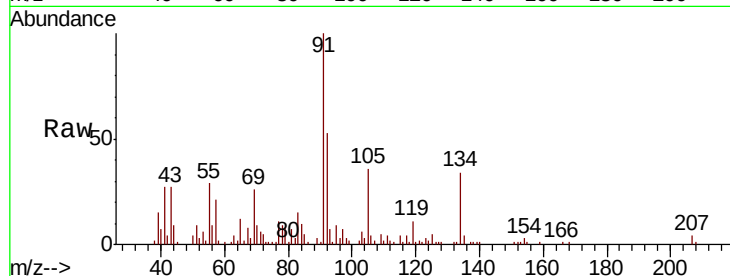
Tot Ion: 91 Resp: 29810

Ion Ratio Lower Upper

91 100

92 86.5 26.1 78.3#

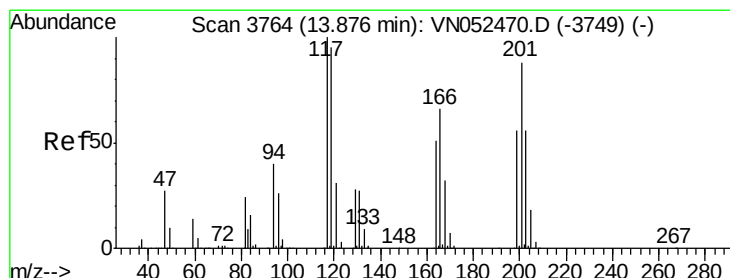
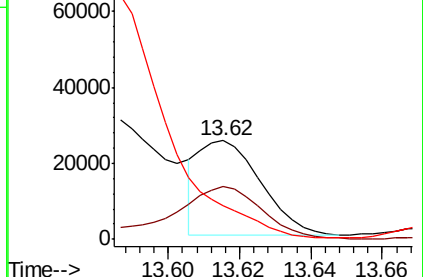
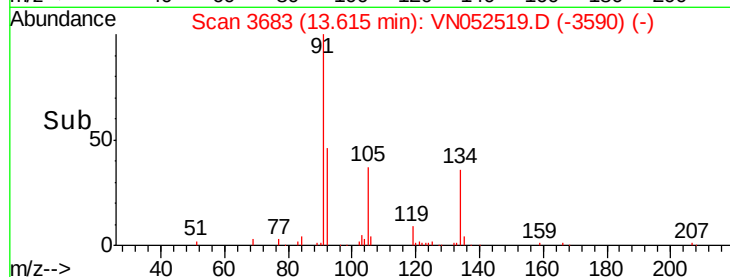
134 0.0 13.0 38.9#



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 2.782 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052519.D

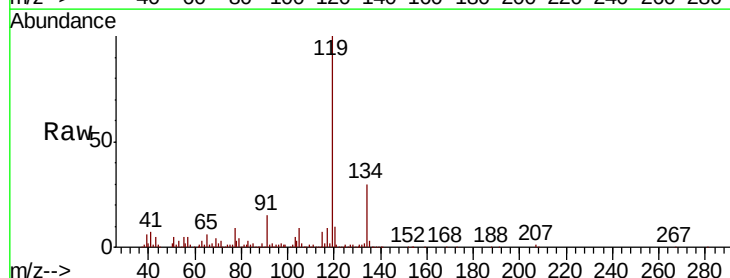
Acq: 28 Nov 2018 15:01

Tgt Ion: 117 Resp: 23610

Ion Ratio Lower Upper

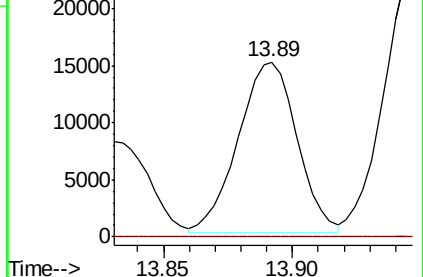
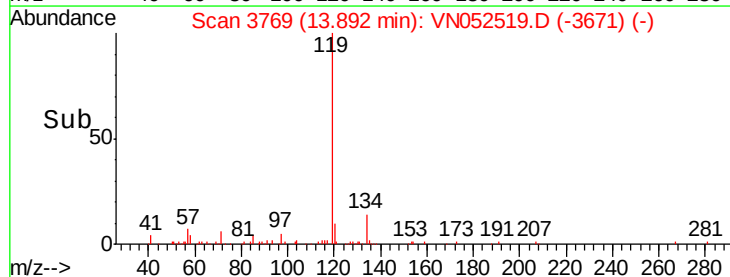
117 100

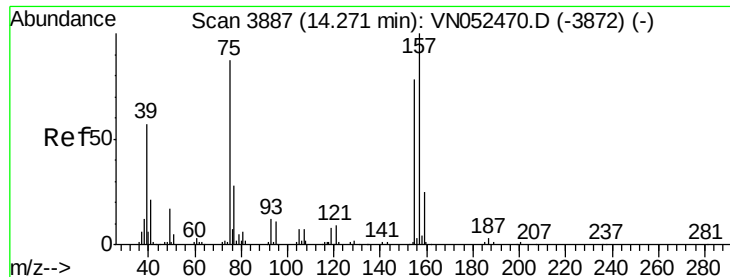
201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

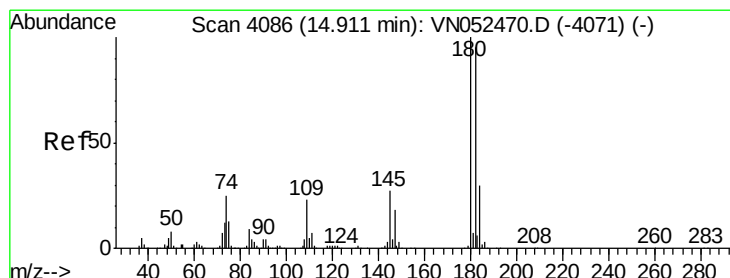
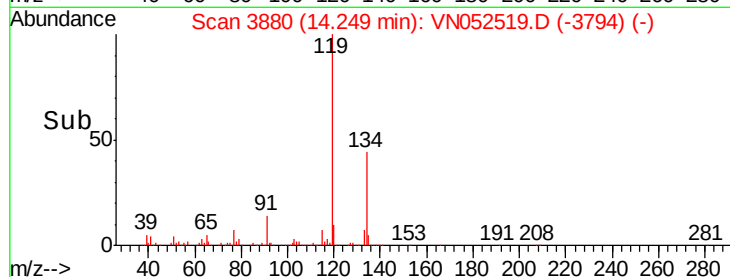
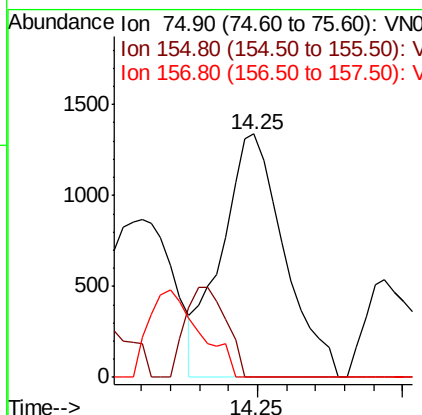
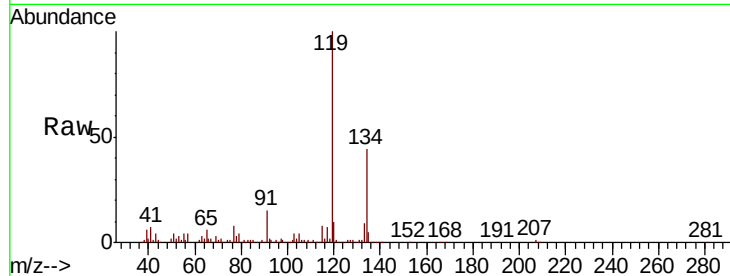




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.015 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. -0.02 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

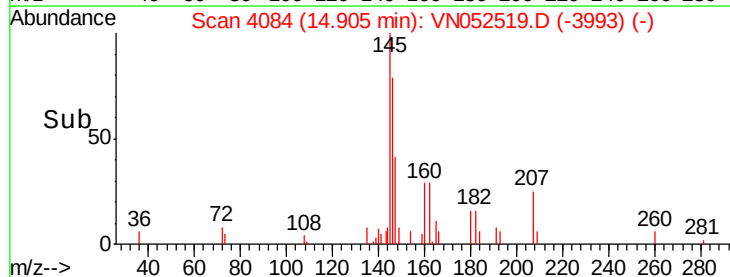
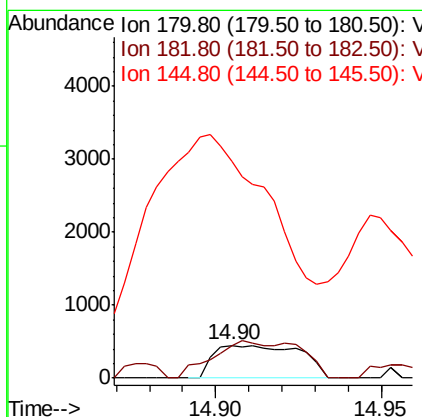
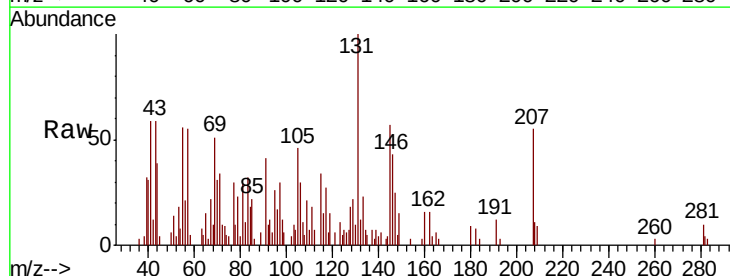
Instrument :
 MSVOA_N
 ClientSampleId :
 OILY-WATERDL

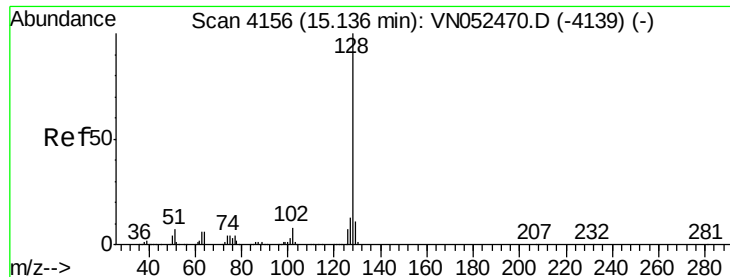
Tot Ion: 75 Resp: 2006
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.3 135.9#
 157 0.0 58.1 174.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.885 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN052519.D
 Acq: 28 Nov 2018 15:01

Tgt Ion: 180 Resp: 809
 Ion Ratio Lower Upper
 180 100
 182 67.9 47.8 143.4
 145 1001.4 14.1 42.3#

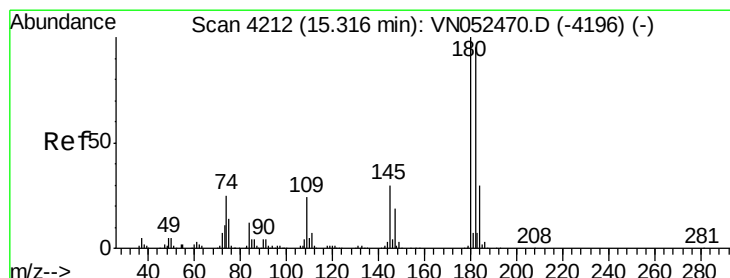
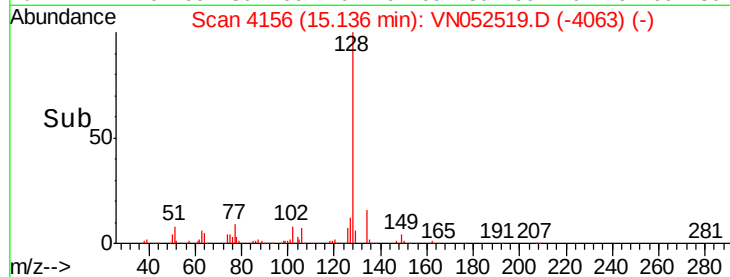
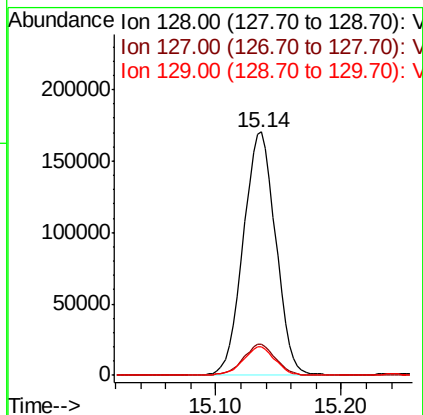
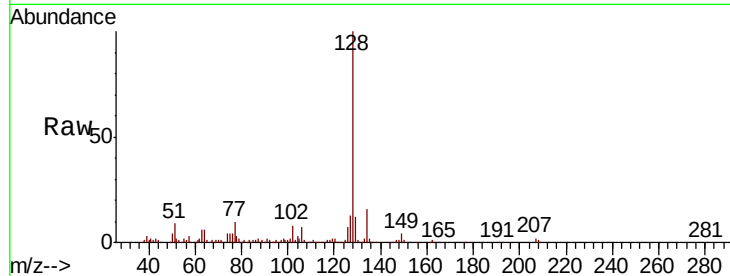




#95
Naphthalene
Concen: 13.157 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Instrument :
MSVOA_N
ClientSampleId :
OILY-WATERDL

Tot Ion:128 Resp: 304554
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.804 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052519.D
Acq: 28 Nov 2018 15:01

Tgt Ion:180 Resp: 1034
Ion Ratio Lower Upper
180 100
182 110.3 47.8 143.3
145 0.0 15.2 45.5#

