

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055833.D
 Acq On : 25 May 2019 7:34
 Operator : JC/SP
 Sample : K3035-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-3(OWS)-

Quant Time: May 26 22:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	561492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	519613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214779	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	187634	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	167271	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	663537	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	231395	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	11424	14.712	ug/l	97
13) Acrolein	3.60	56	1111	1.998	ug/l #	77
14) Allyl chloride	4.54	41	42130	7.343	ug/l #	27
16) Acetone	3.82	43	115260	64.520	ug/l	99
17) Carbon Disulfide	4.04	76	5085	0.535	ug/l	100
18) Methyl Acetate	4.34	43	4172	Below Cal	#	80
20) Methylene Chloride	4.54	84	1305917	337.551	ug/l	96
25) 2-Butanone	6.85	43	31922	12.795	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	2766	0.659	ug/l	91
29) Tetrahydrofuran	7.23	42	1321	0.836	ug/l #	62
31) Cyclohexane	7.66	56	5863	0.961	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22523	4.603	ug/l #	48
37) Ethyl Acetate	6.85	43	31922	6.750	ug/l #	67
38) Carbon Tetrachloride	7.66	117	31587	6.197	ug/l #	15
41) Methacrylonitrile	7.22	41	513	0.215	ug/l #	25
43) Isopropyl Acetate	8.17	43	11923	1.501	ug/l #	86
45) 1,2-Dichloropropane	9.27	63	1089	0.283	ug/l #	44
48) Methyl methacrylate	9.18	41	8092	2.210	ug/l #	23
51) 4-Methyl-2-Pentanone	9.98	43	13157	2.804	ug/l	98
52) Toluene	10.16	92	70327	7.583	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	40784	6.675	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	8117	1.344	ug/l #	42
59) 2-Hexanone	10.61	43	35906	10.785	ug/l	80
64) Tetrachloroethene	10.63	164	892	0.204	ug/l	95
67) Ethyl Benzene	11.51	91	5394	0.289	ug/l	99
68) m/p-Xylenes	11.62	106	5137	0.728	ug/l	95
69) o-Xylene	11.95	106	3260	0.466	ug/l	95
71) Bromoform	12.40	173	1540	0.435	ug/l #	1
73) Isopropylbenzene	12.25	105	1631	Below Cal		95
74) N-amyl acetate	12.03	43	1868	Below Cal	#	43
75) 1,1,2,2-Tetrachloroethane	12.55	83	283	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	106278	27.308	ug/l #	100
79) 2-Chlorotoluene	12.77	91	801	Below Cal		82
80) 1,3,5-Trimethylbenzene	12.73	105	7219	Below Cal		98

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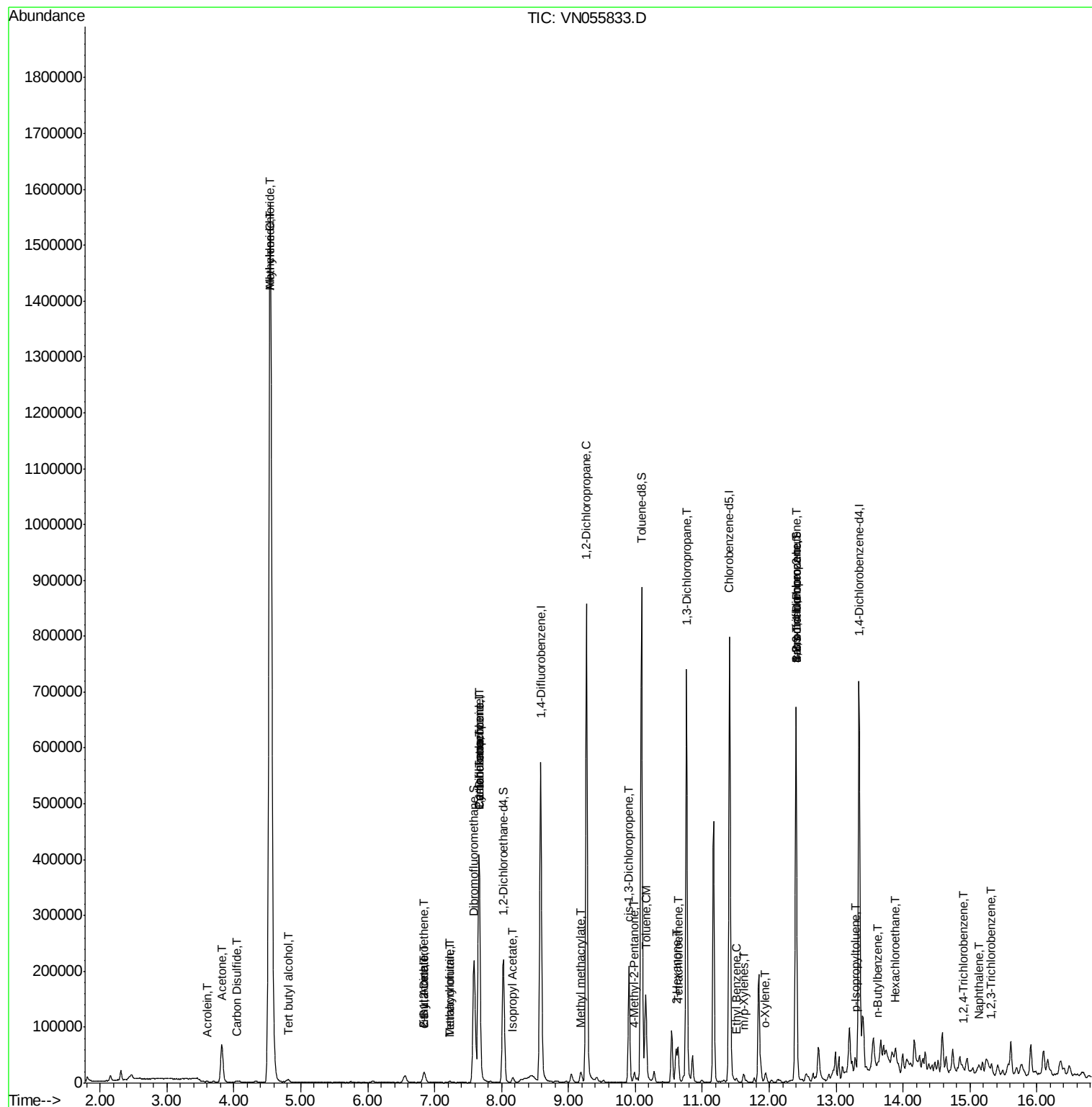
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	106278	66.578	ug/l #	15
83) tert-Butylbenzene	13.23	119	2799	Below Cal		81
84) 1,2,4-Trimethylbenzene	13.04	105	24485	Below Cal		98
85) sec-Butylbenzene	13.17	105	2892	Below Cal		91
86) p-Isopropyltoluene	13.29	119	15923	1.068	ug/l	96
89) n-Butylbenzene	13.61	91	2938	0.257	ug/l #	81
90) Hexachloroethane	13.89	117	857	0.302	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1171	3.897	ug/l #	4
94) Hexachlorobutadiene	15.00	225	450	Below Cal		78
95) Naphthalene	15.13	128	11393	1.147	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	1728	0.451	ug/l #	86

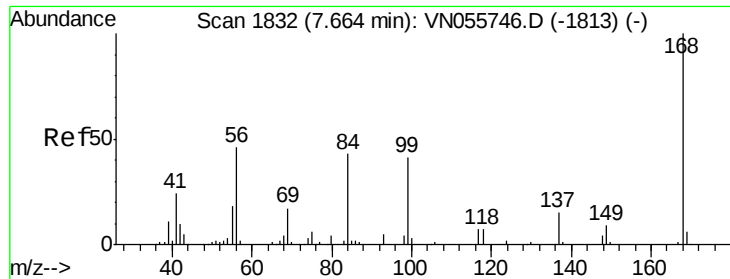
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

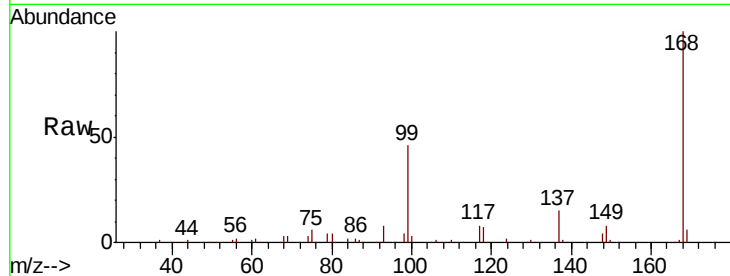
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:168 Resp: 393518

Ion Ratio Lower Upper

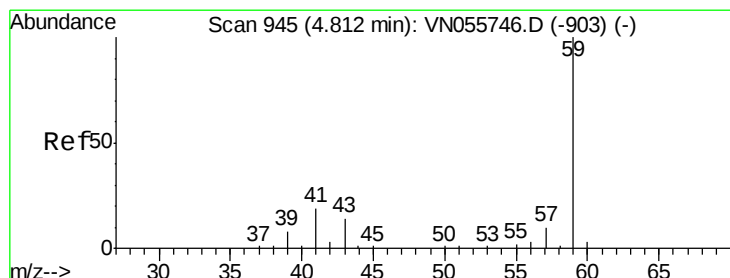
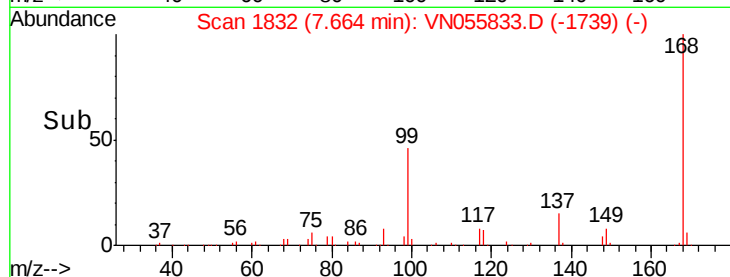
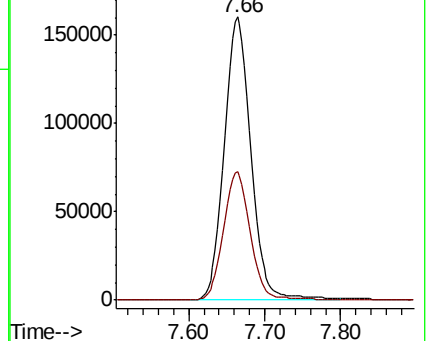
168 100

99 45.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 14.712 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055833.D

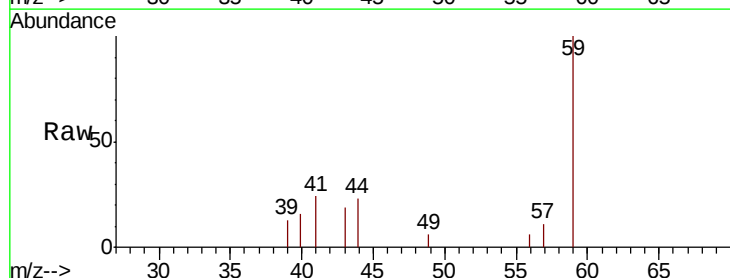
Acq: 25 May 2019 7:34

Tgt Ion: 59 Resp: 11424

Ion Ratio Lower Upper

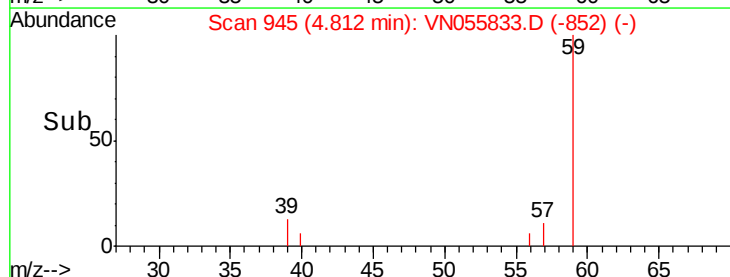
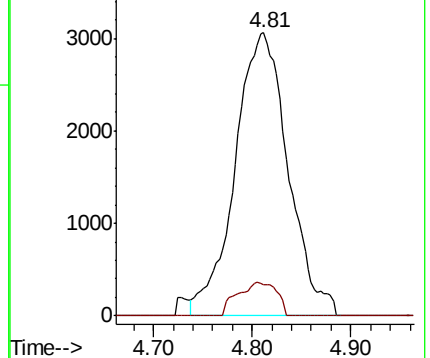
59 100

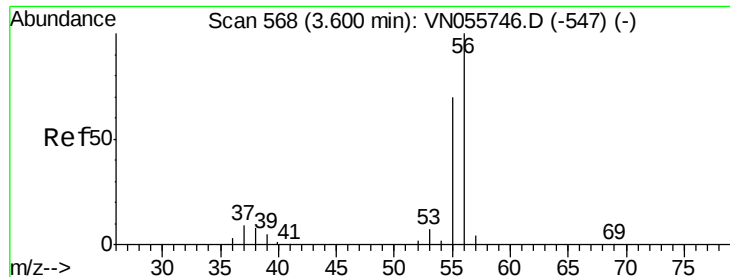
57 8.7 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 1.998 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

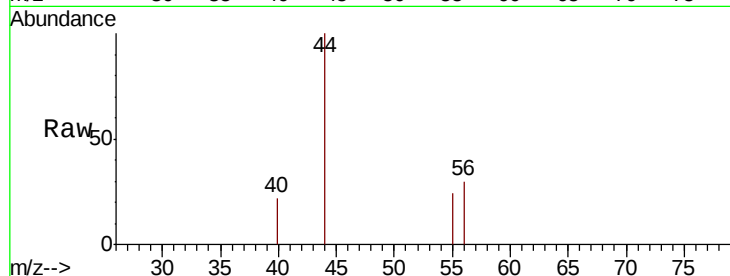
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 56 Resp: 1111

Ion Ratio Lower Upper

56 100

55 87.8 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

500

400

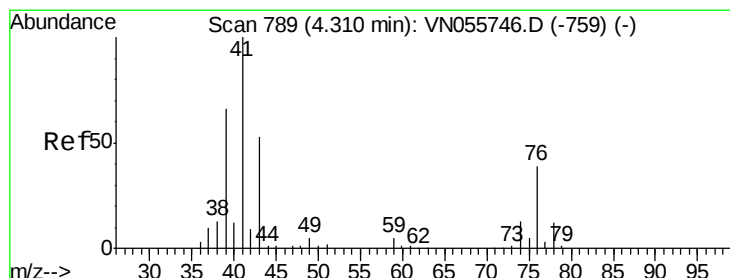
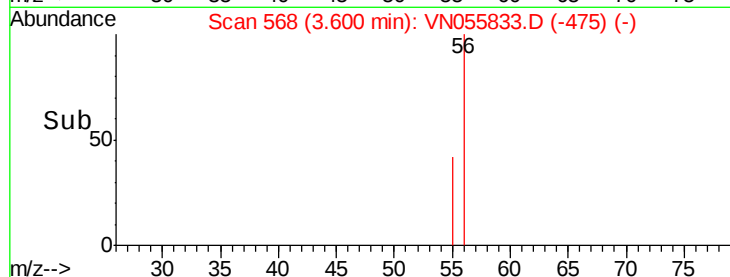
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 7.343 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

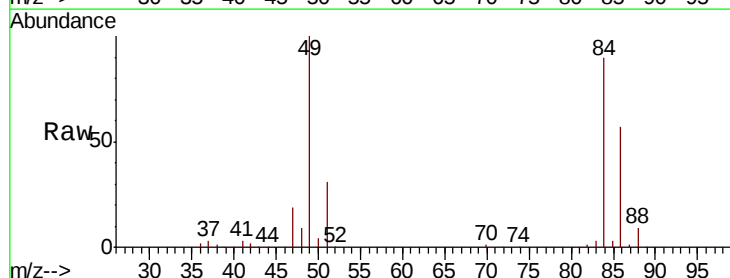
Tgt Ion: 41 Resp: 42130

Ion Ratio Lower Upper

41 100

39 0.5 50.0 75.0#

76 0.0 28.2 42.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

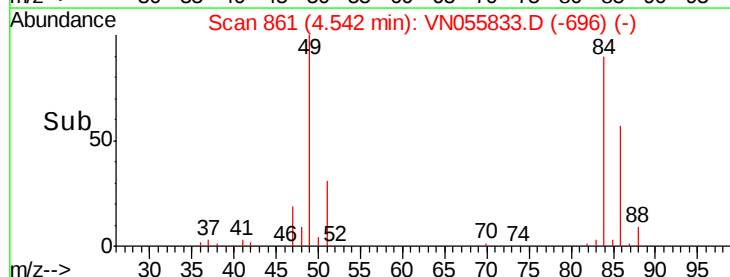
15000

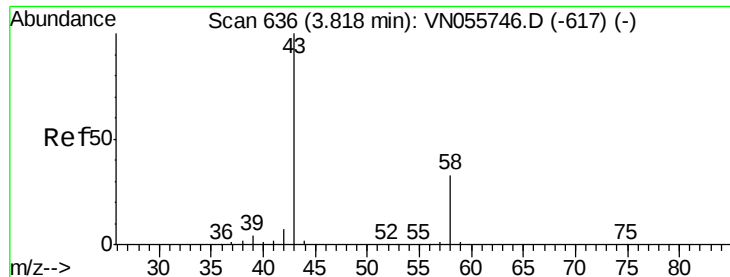
10000

5000

0

Time-->





#16

Acetone

Concen: 64.520 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

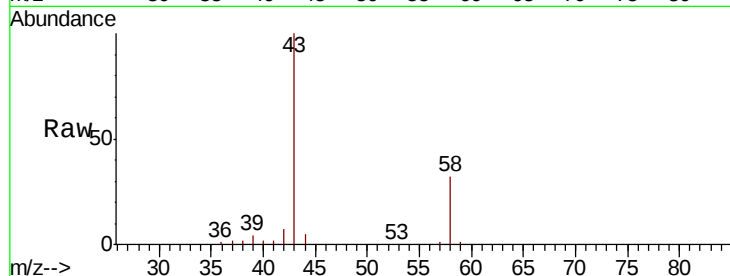
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 43 Resp: 115260

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055833.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055833.D (-543) (-)

3.82

40000

30000

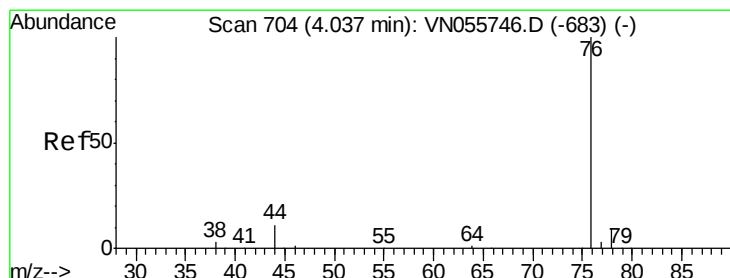
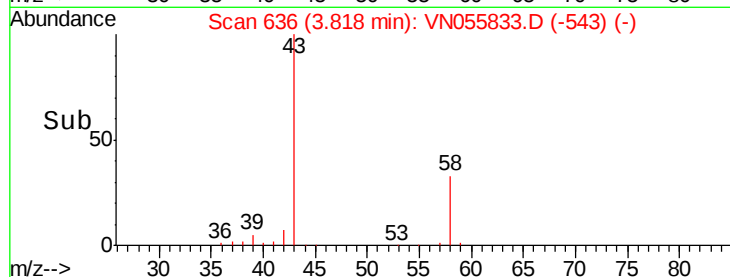
20000

10000

0

3.70 3.80 3.90 4.00

Time-->



#17

Carbon Disulfide

Concen: 0.535 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VN055833.D

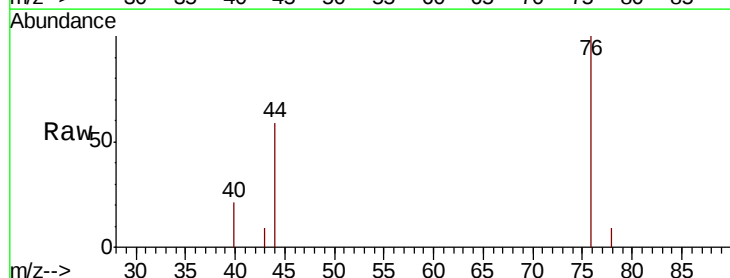
Acq: 25 May 2019 7:34

Tgt Ion: 76 Resp: 5085

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN055833.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN055833.D (-611) (-)

4.04

2000

1500

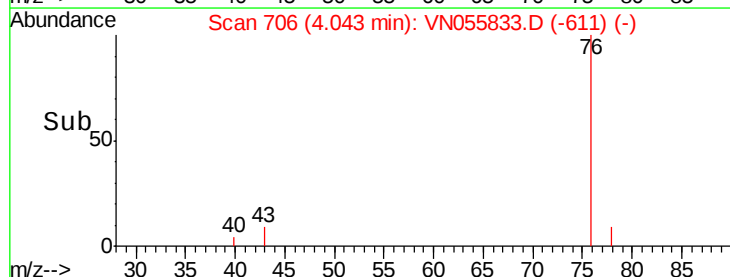
1000

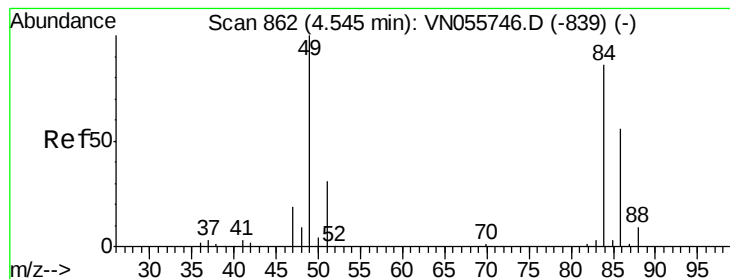
500

0

4.00 4.05 4.10

Time-->





#20

Methvlene Chloride

Concen: 337.551 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPERATOR-3(OWS)-

Tot Ion: 84 Resp: 1305917

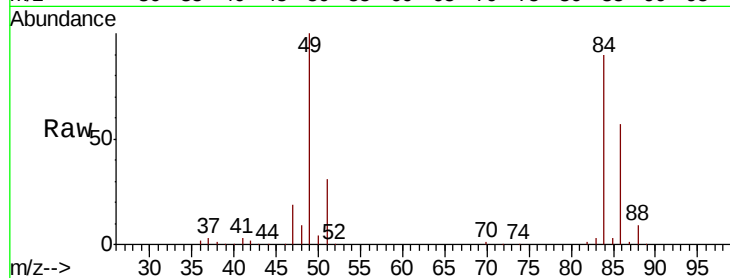
Ion Ratio Lower Upper

84 100

49 111.3 93.5 140.3

51 34.7 28.6 43.0

86 63.5 52.6 79.0

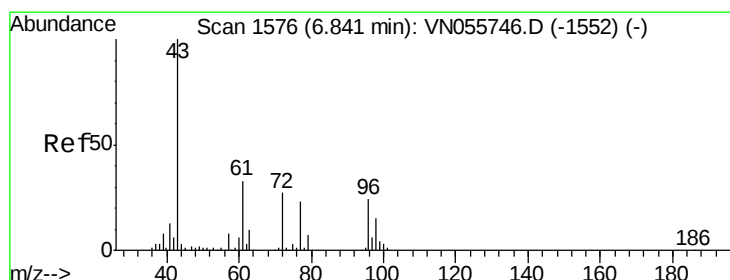
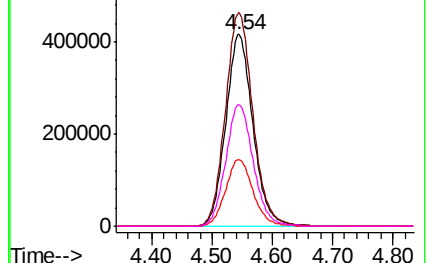
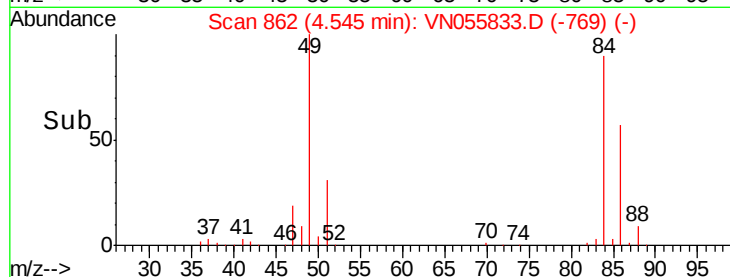


Abundance Ion 83.90 (83.60 to 84.60): VNO

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: 12.795 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN055833.D

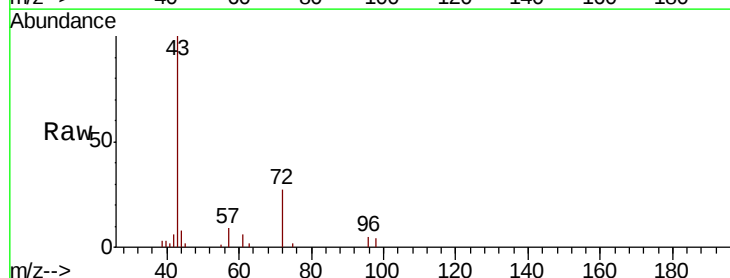
Acq: 25 May 2019 7:34

Tgt Ion: 43 Resp: 31922

Ion Ratio Lower Upper

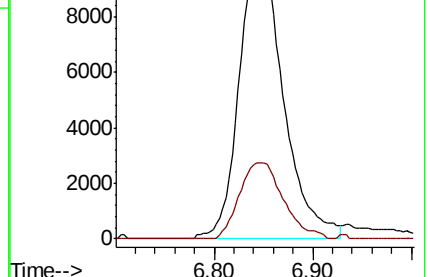
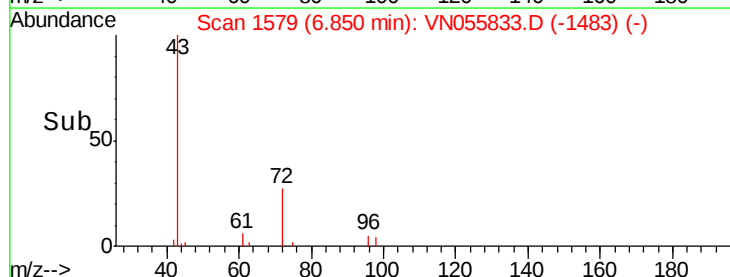
43 100

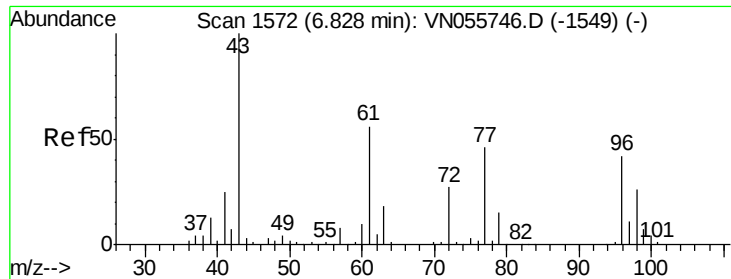
72 27.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#27

cis-1,2-Dichloroethene

Concen: 0.659 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055833.D

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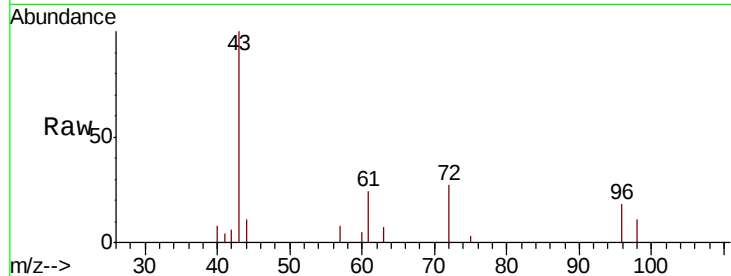
Tot Ion: 96 Resp: 2766

Ion Ratio Lower Upper

96 100

61 128.2 0.0 275.8

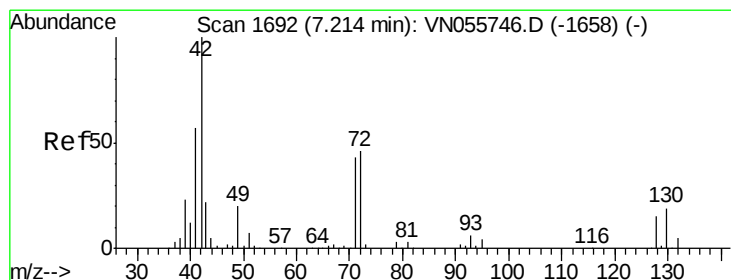
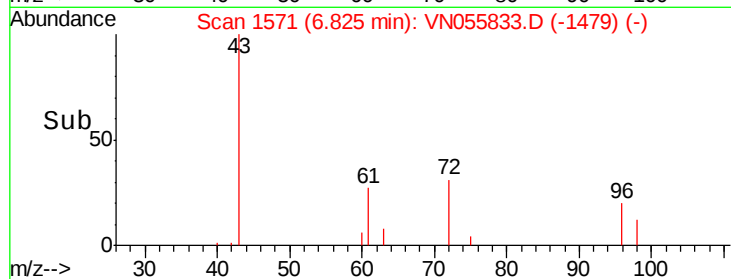
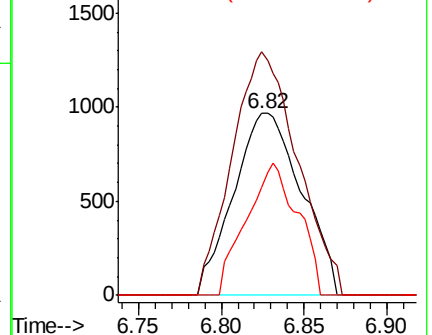
98 54.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#29

Tetrahydrofuran

Concen: 0.836 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

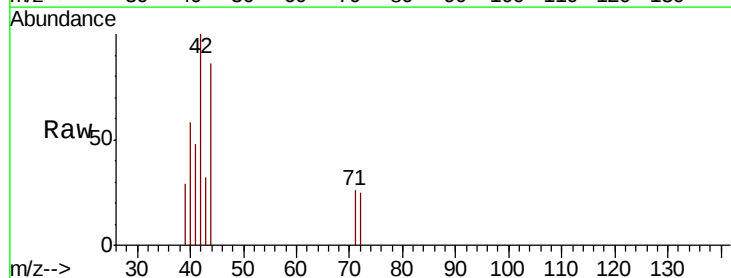
Tgt Ion: 42 Resp: 1321

Ion Ratio Lower Upper

42 100

72 24.8 35.9 53.9#

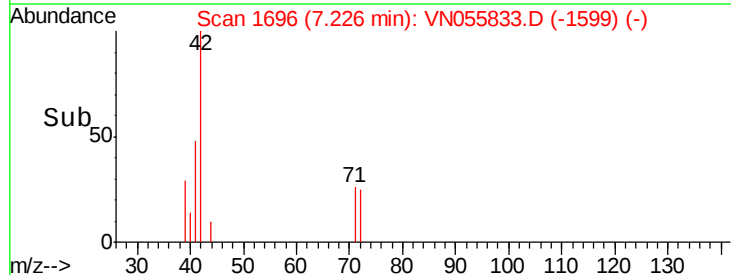
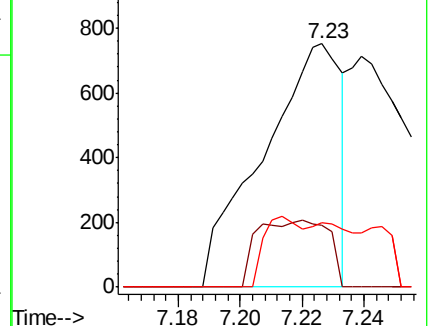
71 14.0 34.0 51.0#

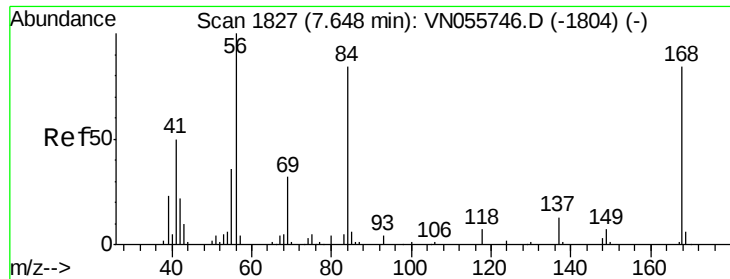


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

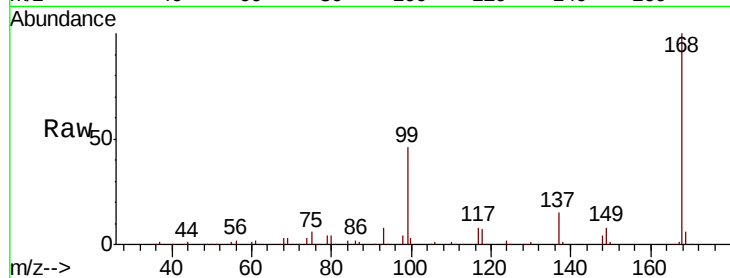




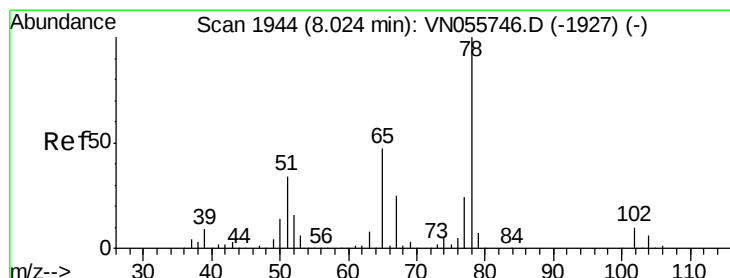
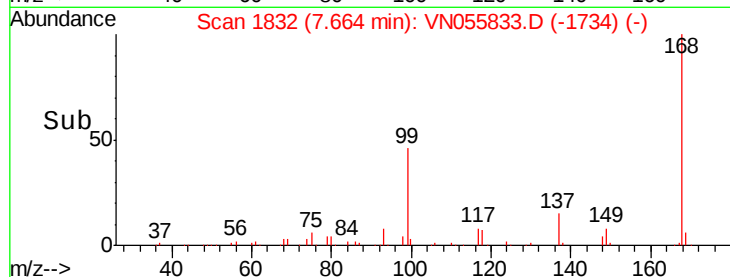
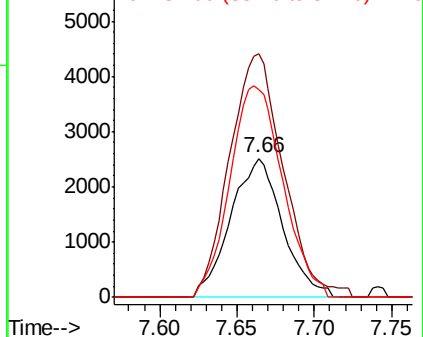
#31
Cyclohexane
Concen: 0.961 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055833.D
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Instrument :
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ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 56 Resp: 5863
Ion Ratio Lower Upper
56 100
69 175.4 25.6 38.4#
84 150.0 67.4 101.0#

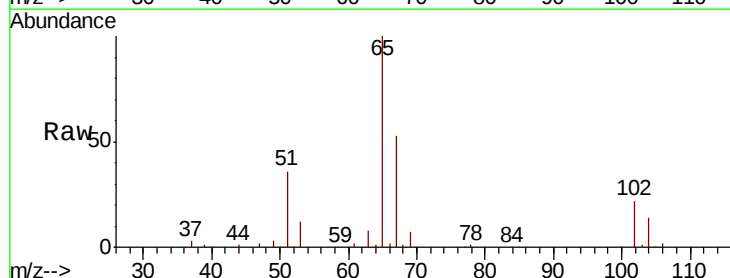


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

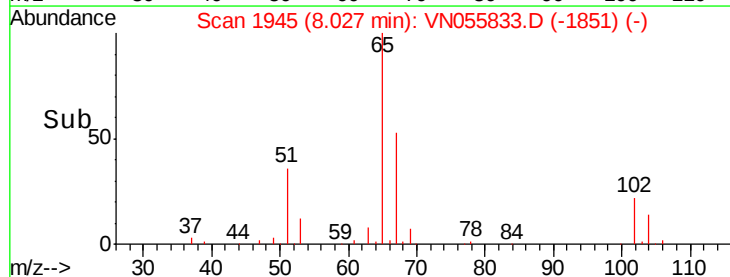
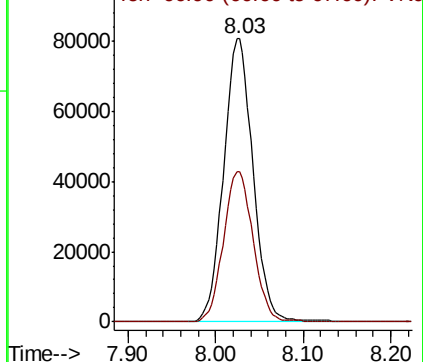


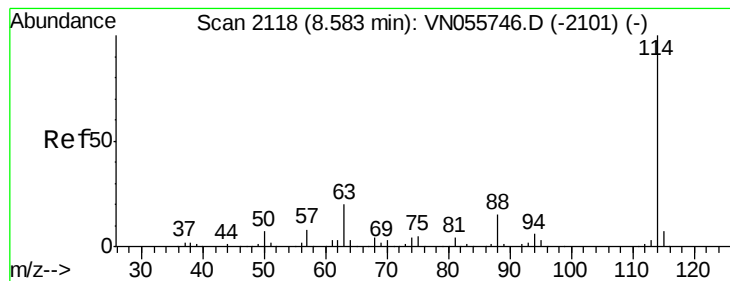
#33
1,2-Dichloroethane-d4
Concen: 46.170 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion: 65 Resp: 187634
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



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: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

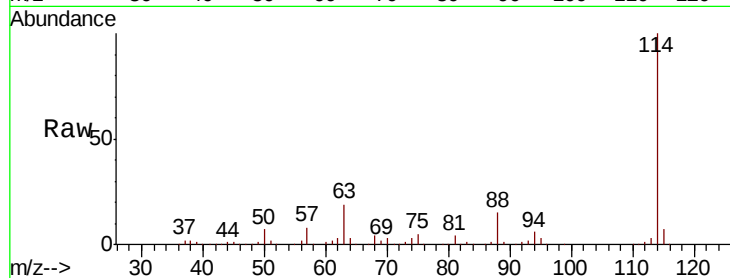
Tot Ion:114 Resp: 561492

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

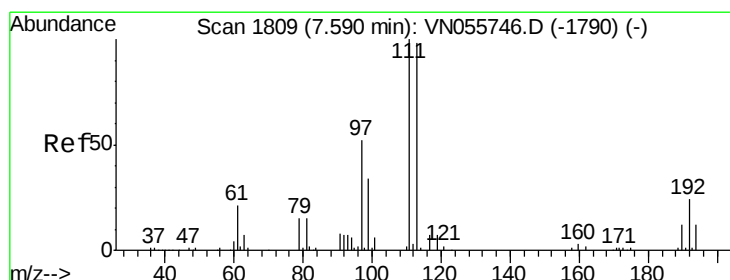
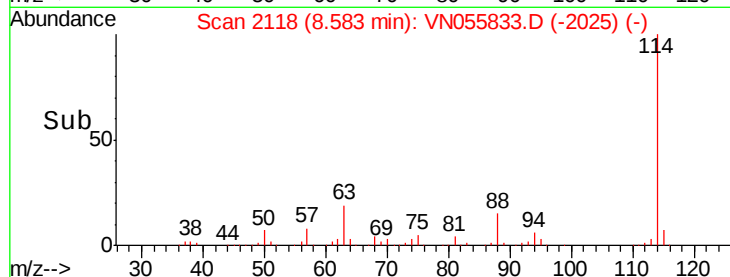
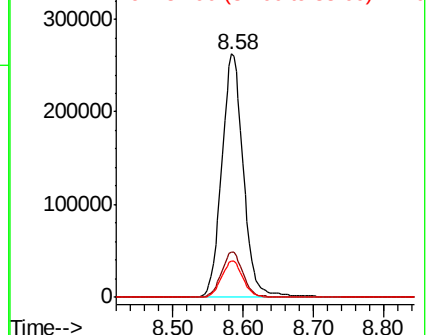
88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.119 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

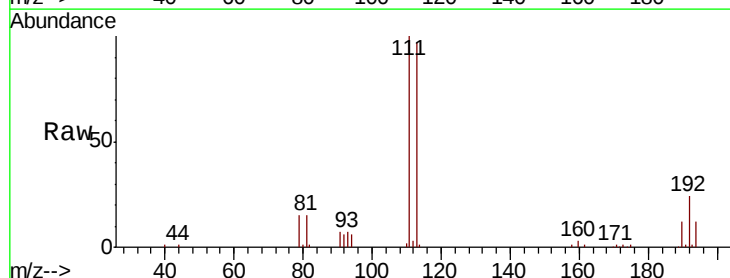
Tgt Ion:113 Resp: 167271

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

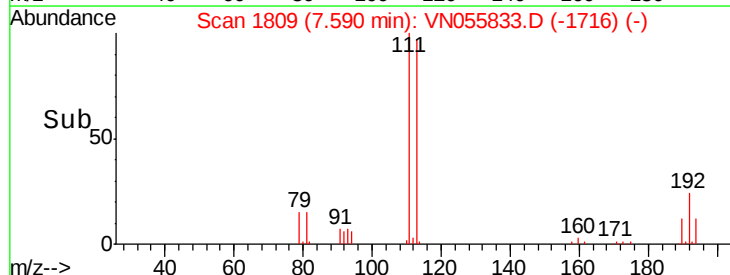
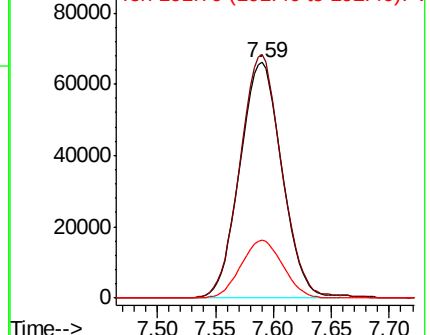
192 24.6 19.5 29.3

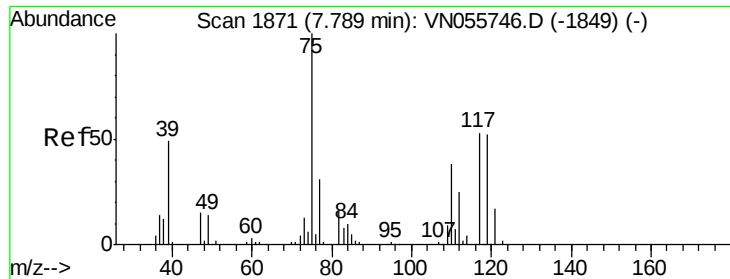


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

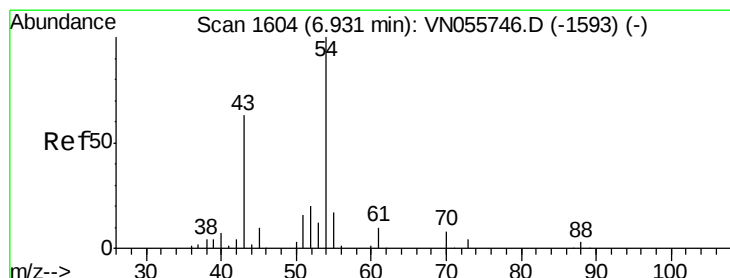
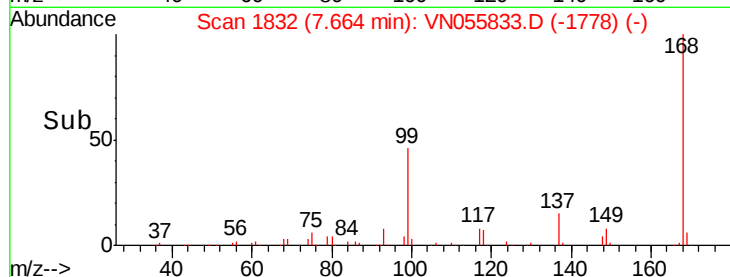
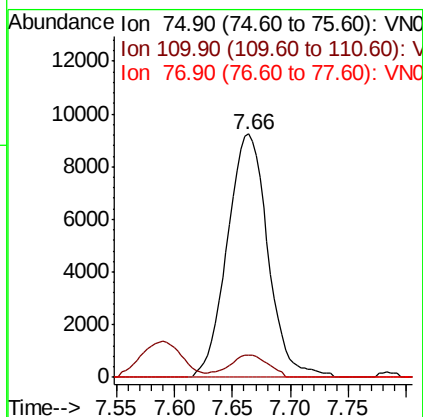
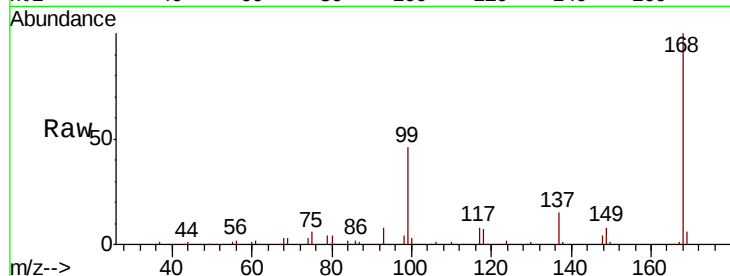




#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

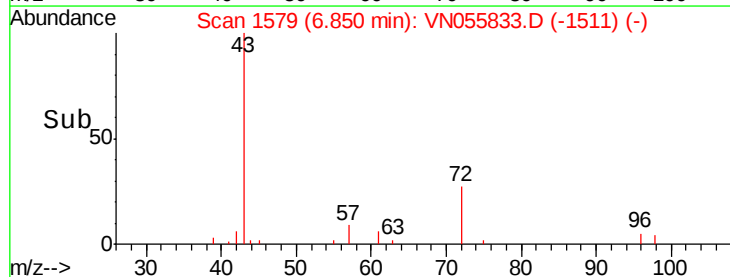
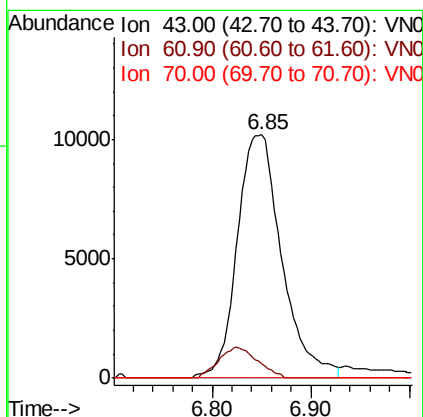
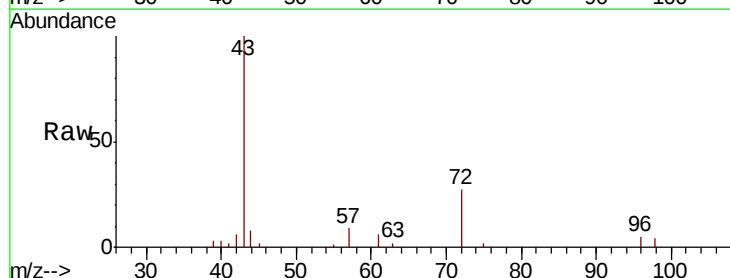
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-3(OWS)-

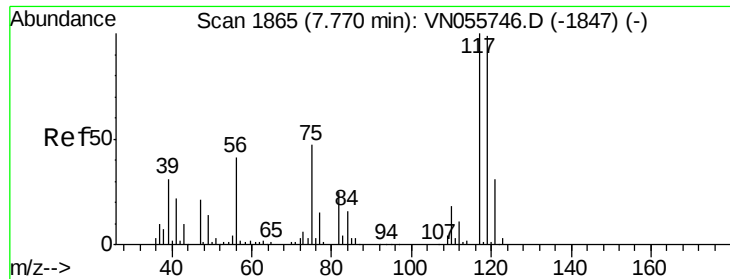
Tot Ion: 75 Resp: 22523
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.0 57.0#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 6.750 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. -0.08 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

Tgt Ion: 43 Resp: 31922
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.2#
 70 0.0 8.9 13.3#





#38

Carbon Tetrachloride

Concen: 6.197 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

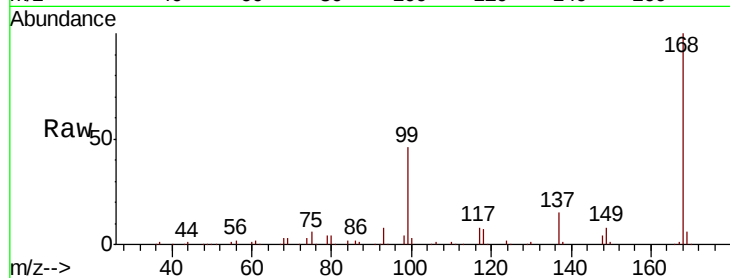
Tot Ion:117 Resp: 31587

Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

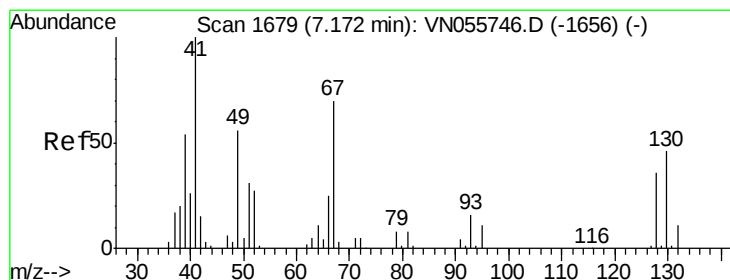
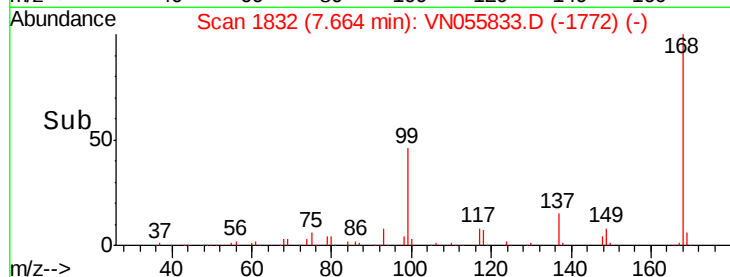
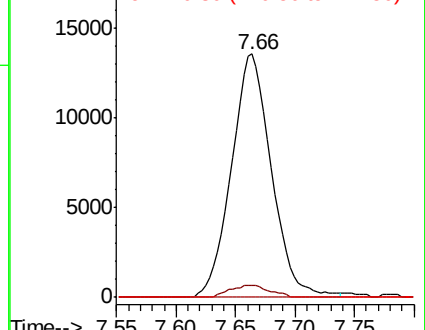
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 0.215 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.05 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Tgt Ion: 41 Resp: 513

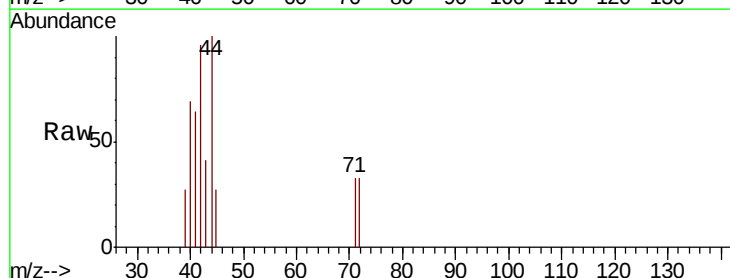
Ion Ratio Lower Upper

41 100

39 14.2 45.6 68.4#

67 0.0 67.7 101.5#

52 0.0 26.6 40.0#

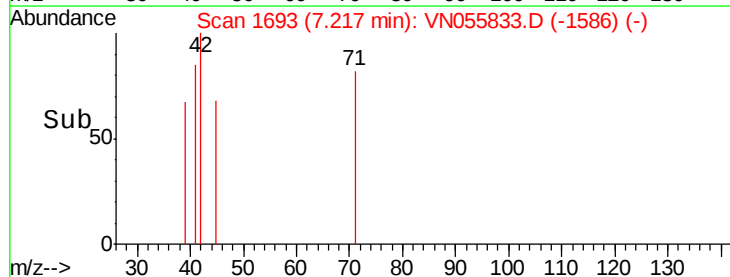
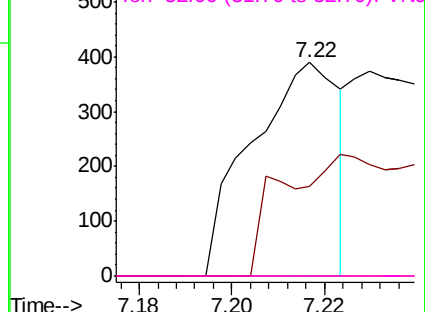


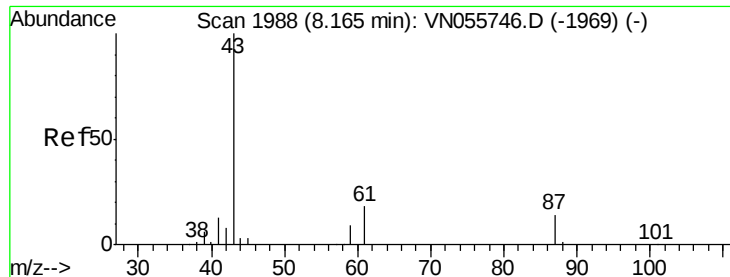
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 1.501 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

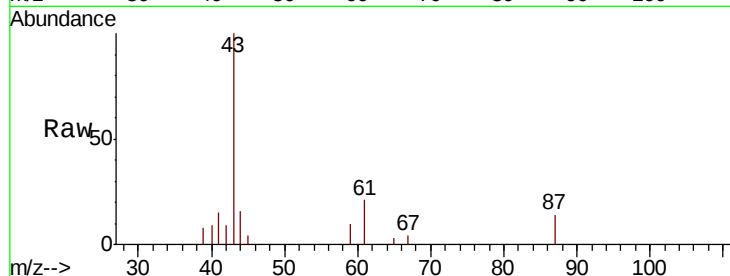
Tot Ion: 43 Resp: 11923

Ion Ratio Lower Upper

43 100

61 17.9 22.2 33.4#

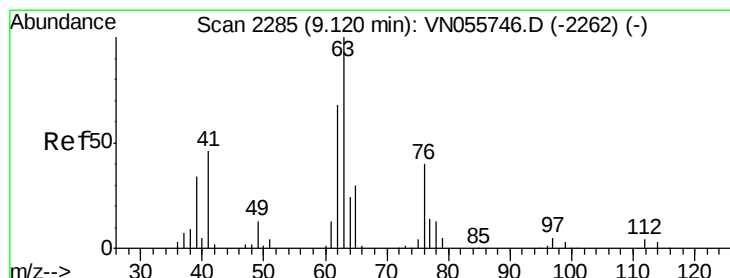
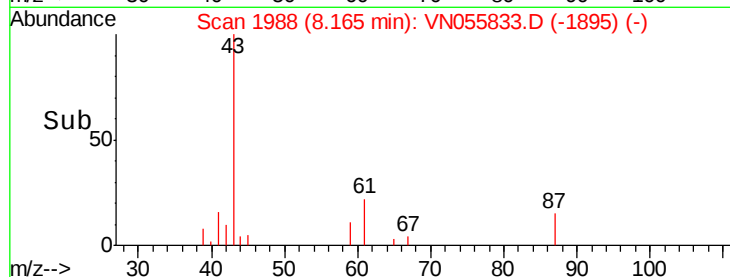
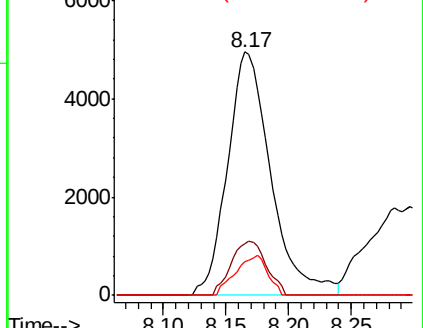
87 12.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.283 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055833.D

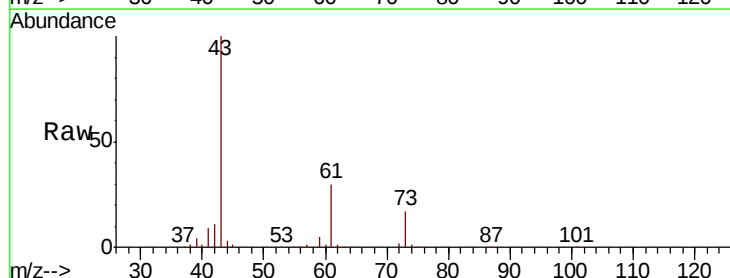
Acq: 25 May 2019 7:34

Tgt Ion: 63 Resp: 1089

Ion Ratio Lower Upper

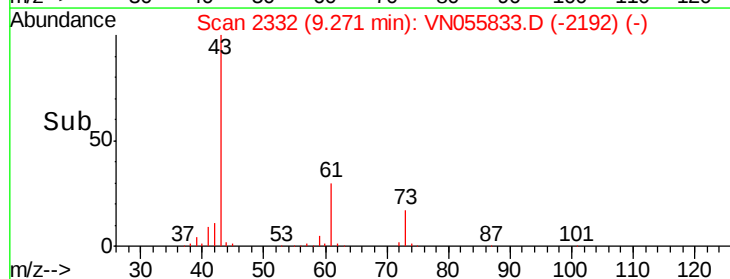
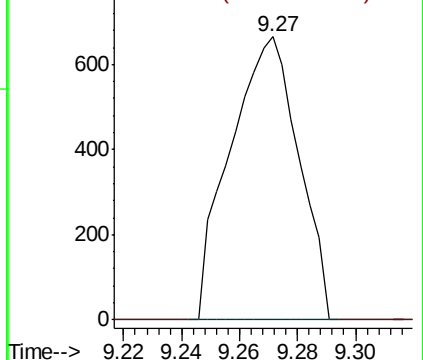
63 100

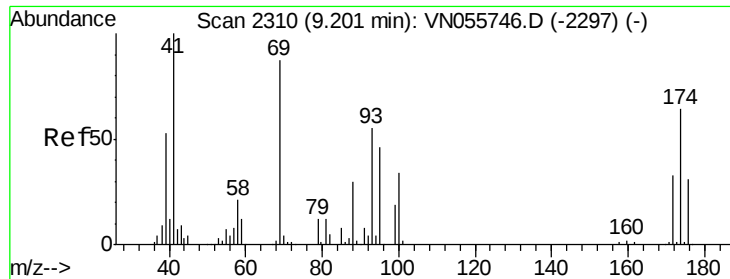
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

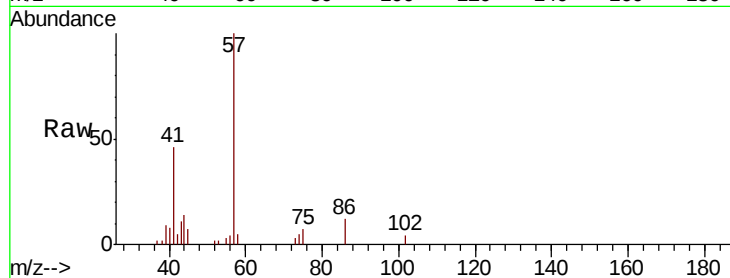




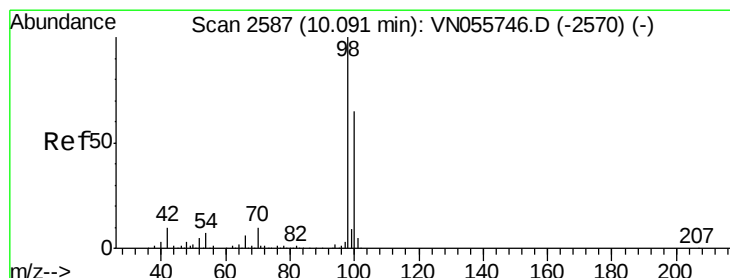
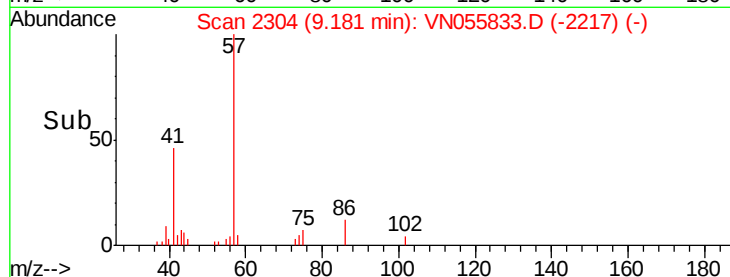
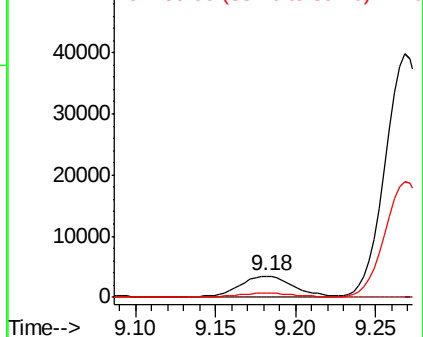
#48
Methyl methacrylate
Concen: 2.210 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 41 Resp: 8092
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 20.3 44.2 66.2#

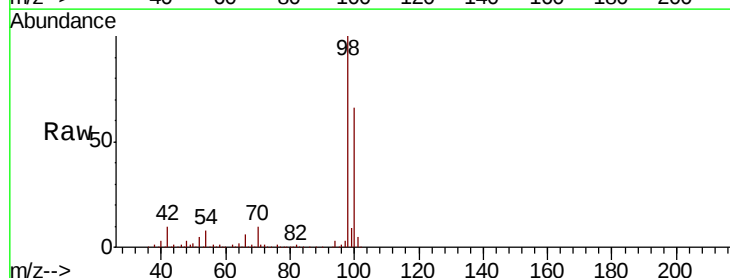


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

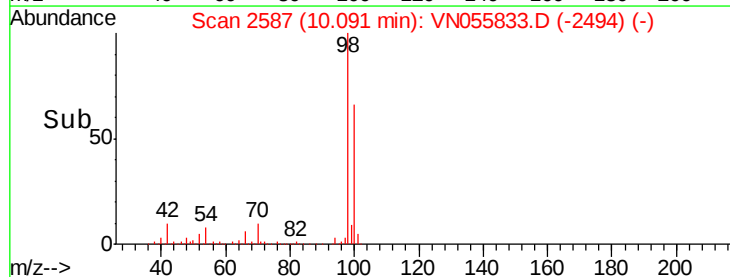
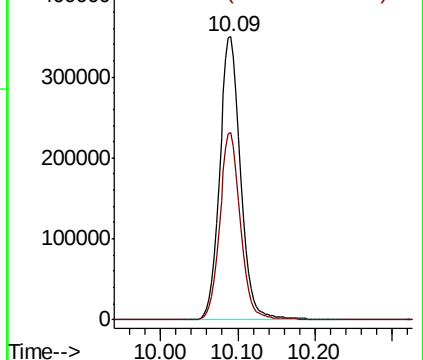


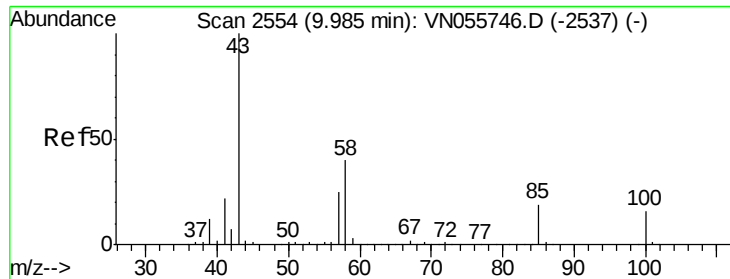
#50
Toluene-d8
Concen: 48.728 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion: 98 Resp: 663537
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 2.804 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

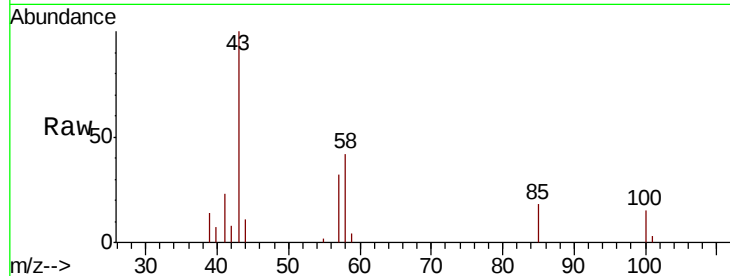
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 43 Resp: 13157

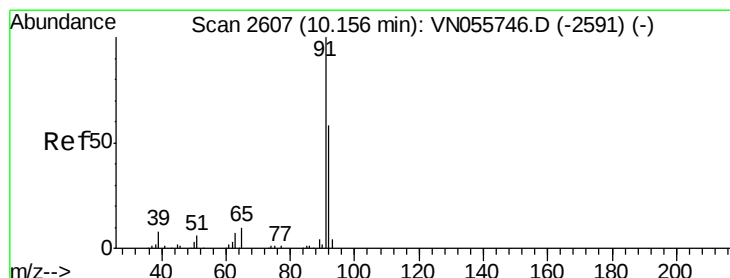
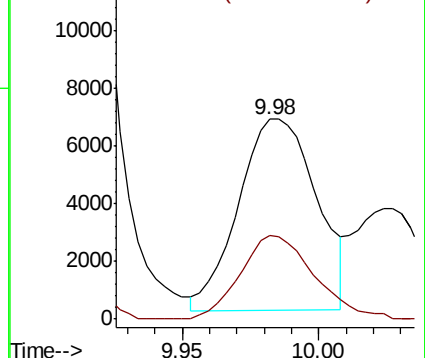
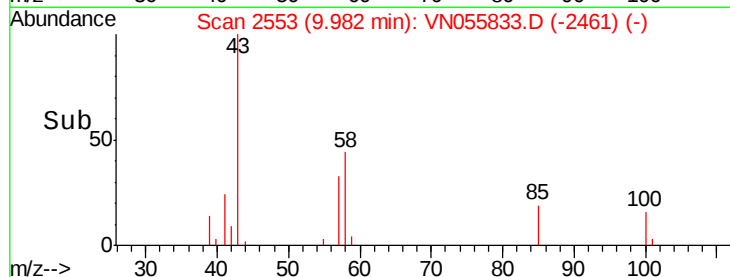
Ion Ratio Lower Upper

43 100

58 41.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055833.D (-2461) (-)



#52

Toluene

Concen: 7.583 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055833.D

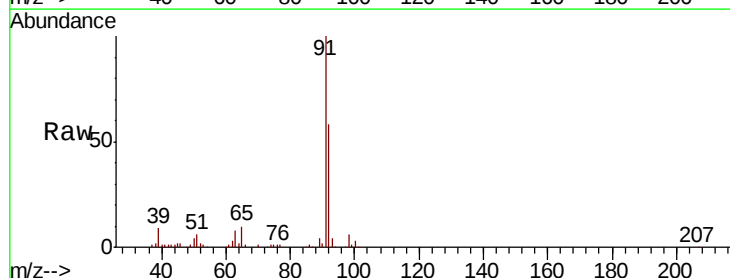
Acq: 25 May 2019 7:34

Tgt Ion: 92 Resp: 70327

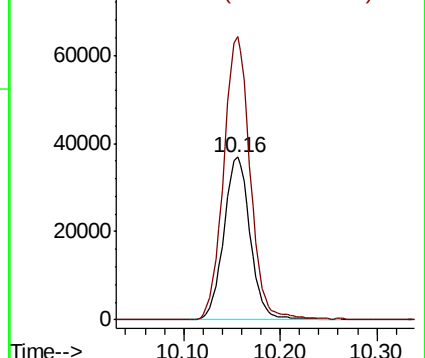
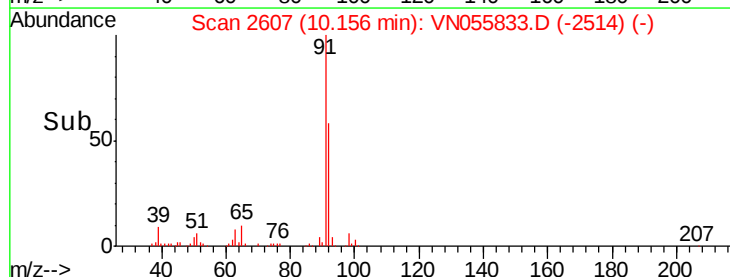
Ion Ratio Lower Upper

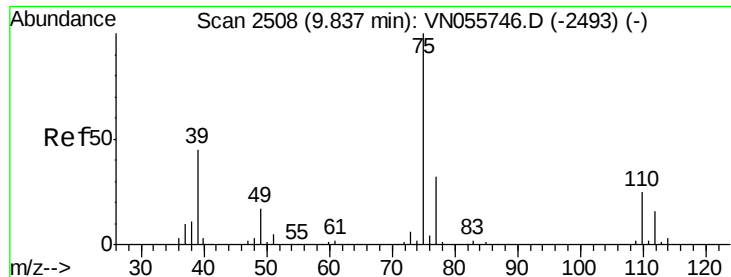
92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055833.D (-2514) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.675 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

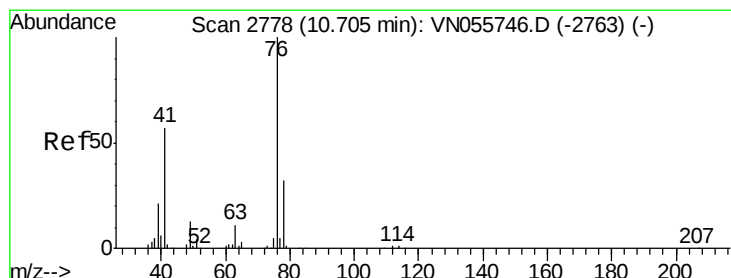
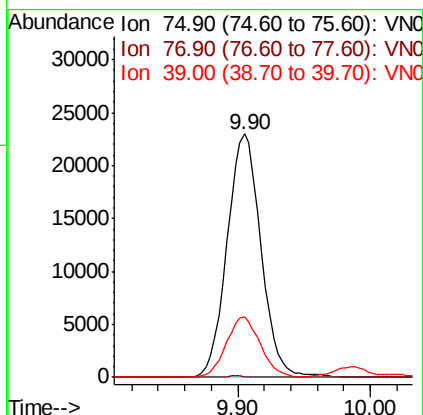
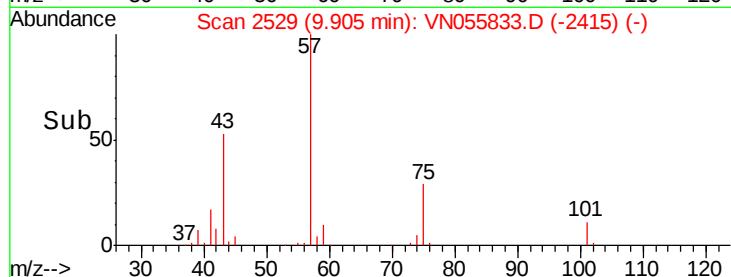
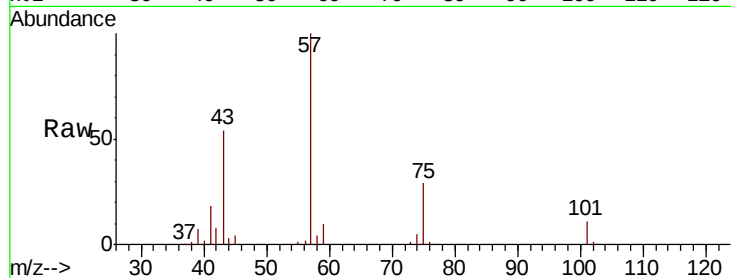
Tot Ion: 75 Resp: 40784

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 25.0 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 1.344 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055833.D

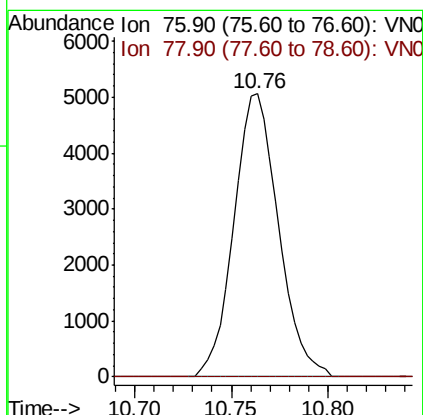
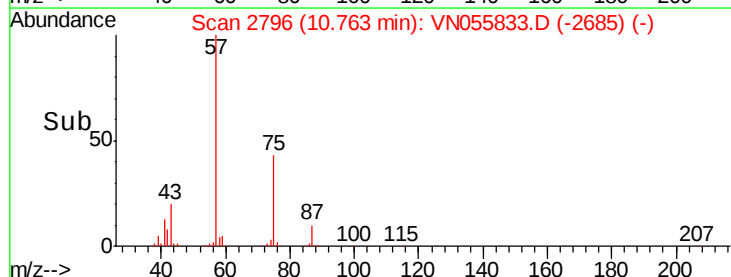
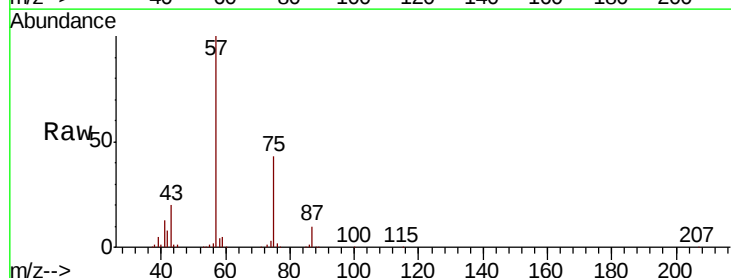
Acq: 25 May 2019 7:34

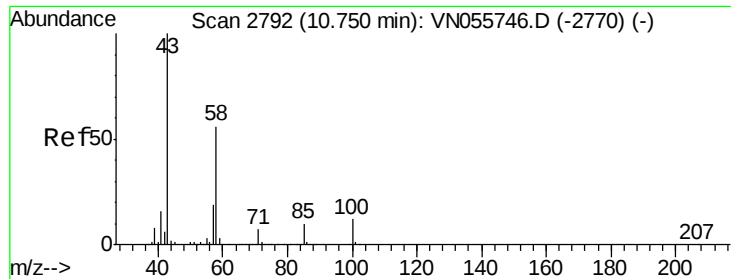
Tgt Ion: 76 Resp: 8117

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

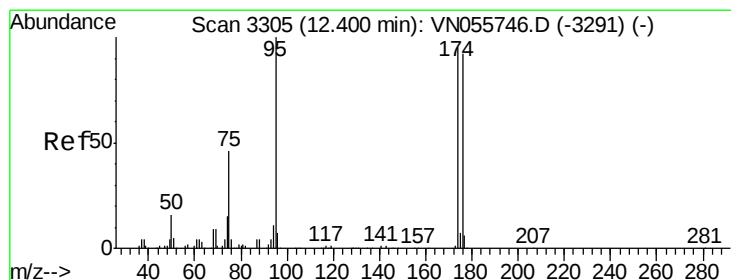
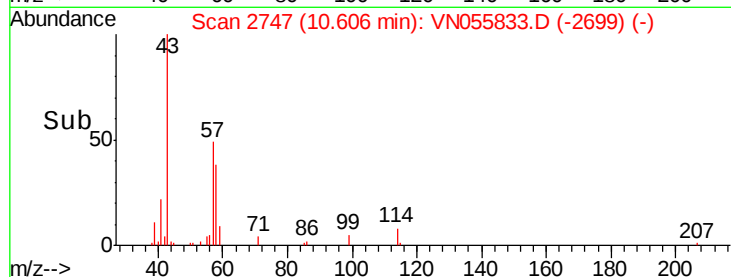
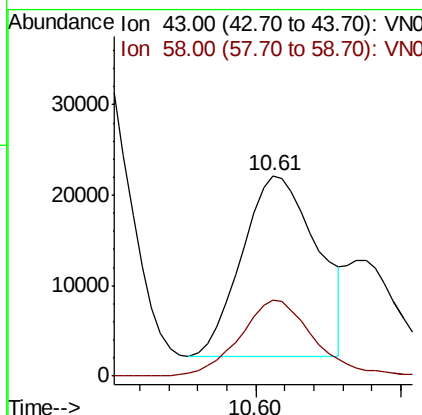
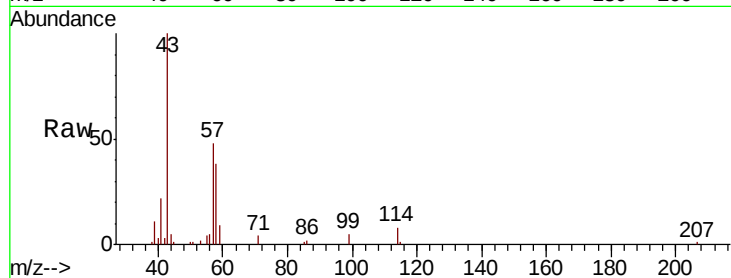




#59
2-Hexanone
Concen: 10.785 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.14 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

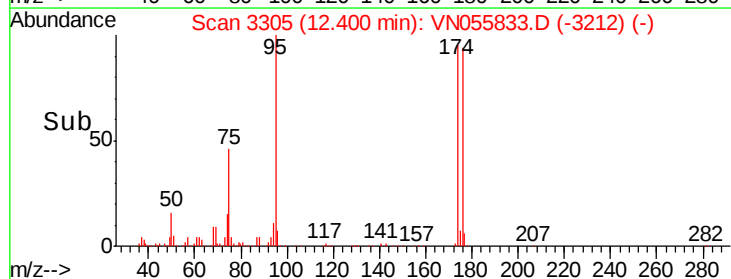
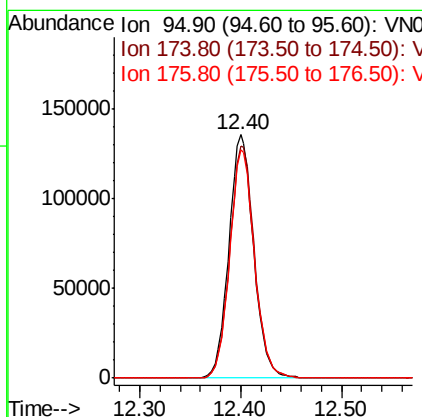
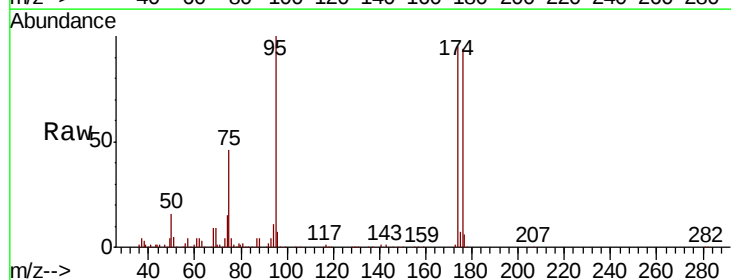
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

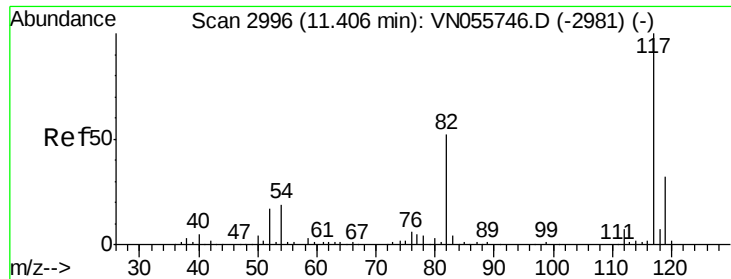
Tot Ion: 43 Resp: 35906
Ion Ratio Lower Upper
43 100
58 41.9 28.2 84.7



#62
4-Bromofluorobenzene
Concen: 49.558 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion: 95 Resp: 231395
Ion Ratio Lower Upper
95 100
174 95.8 0.0 191.0
176 93.5 0.0 185.2

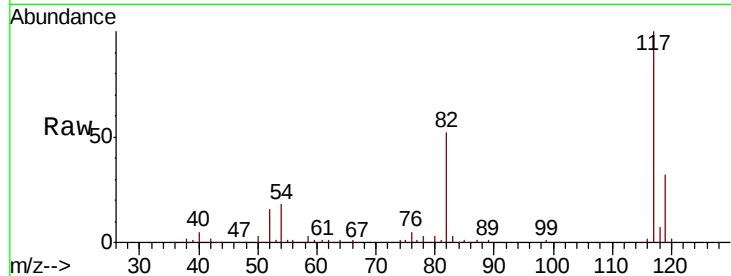




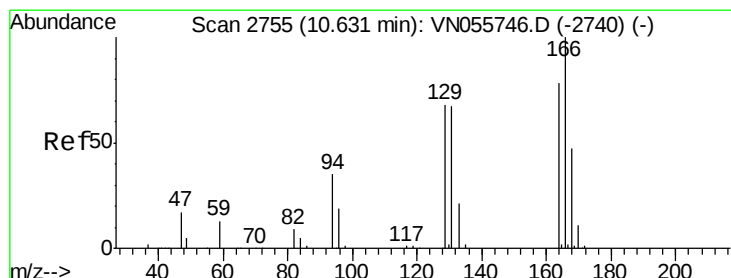
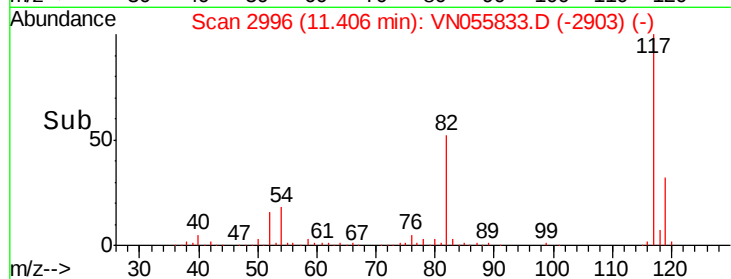
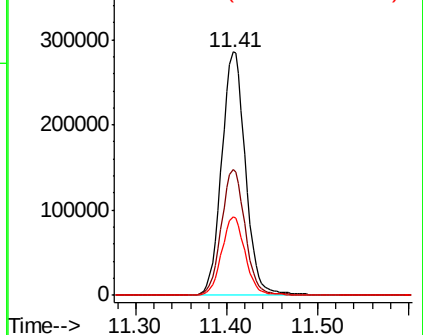
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-3(OWS)-

Tot Ion:117 Resp: 519613
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.4 25.4 38.0

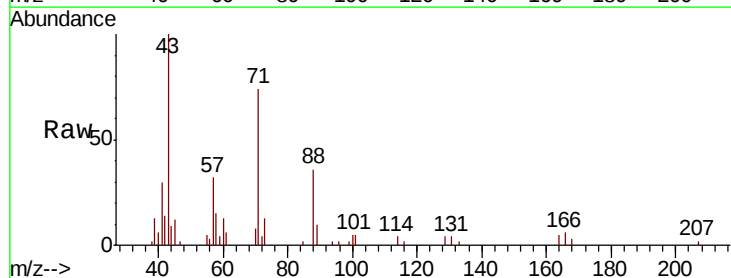


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

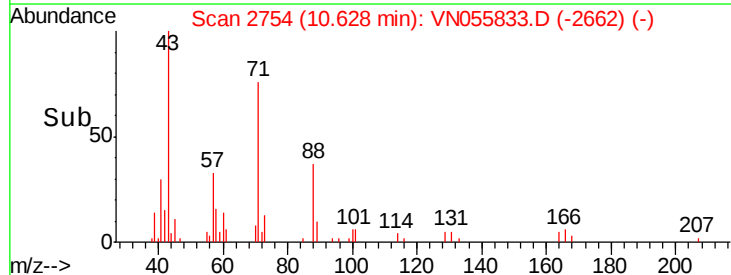
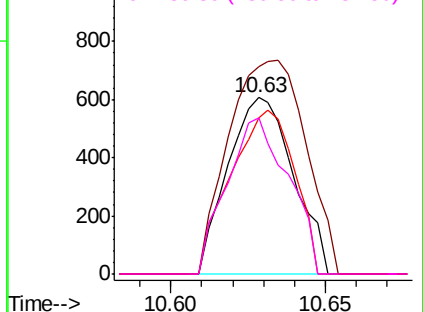


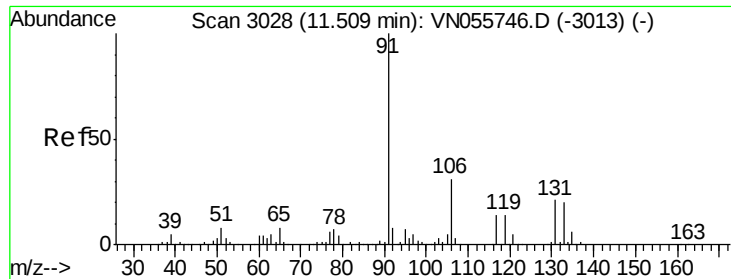
#64
Tetrachloroethene
Concen: 0.204 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion:164 Resp: 892
Ion Ratio Lower Upper
164 100
166 117.8 103.0 154.6
129 88.3 70.6 105.8
131 88.5 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

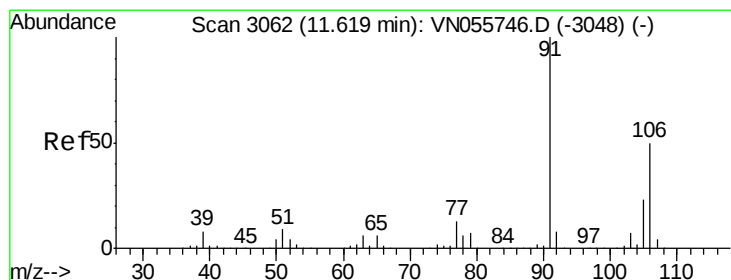
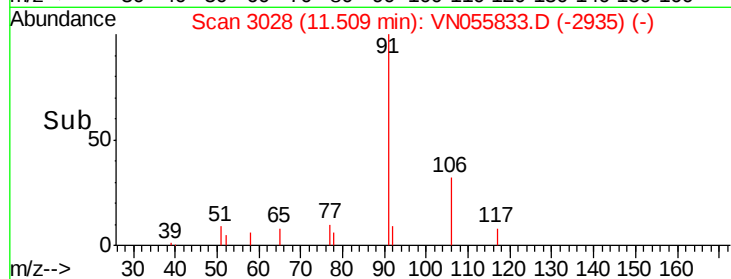
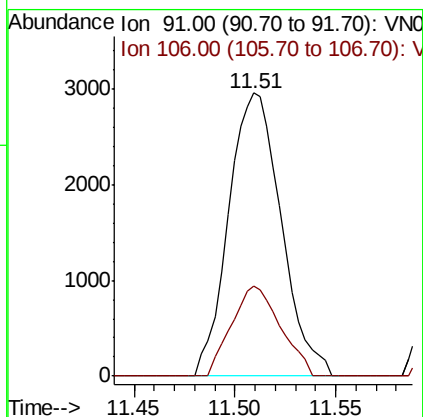
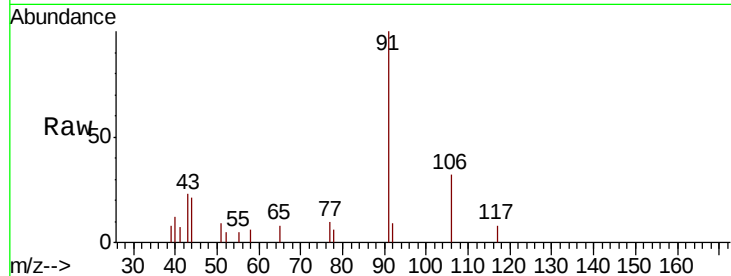




#67
Ethyl Benzene
Concen: 0.289 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

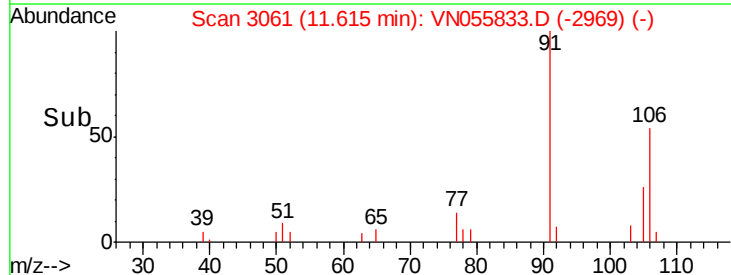
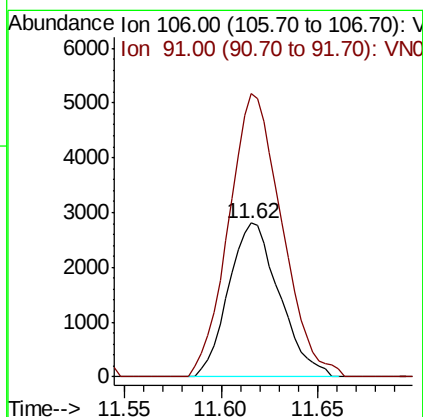
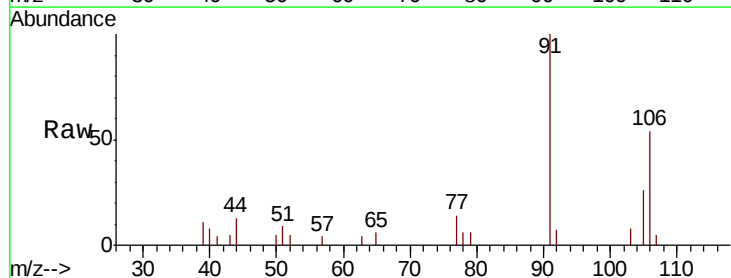
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

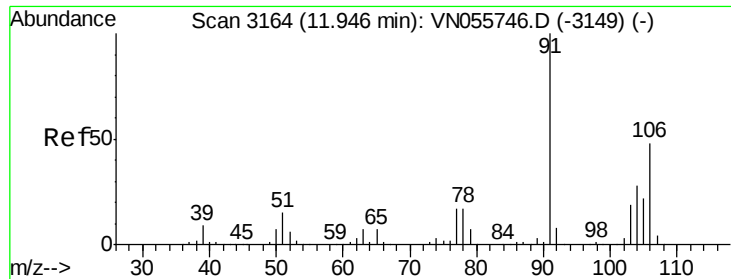
Tot Ion: 91 Resp: 5394
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 0.728 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion: 106 Resp: 5137
Ion Ratio Lower Upper
106 100
91 191.6 159.3 238.9

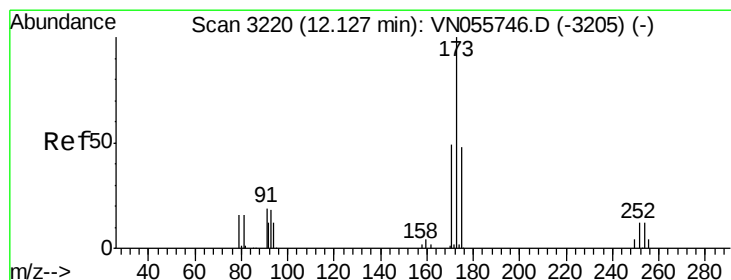
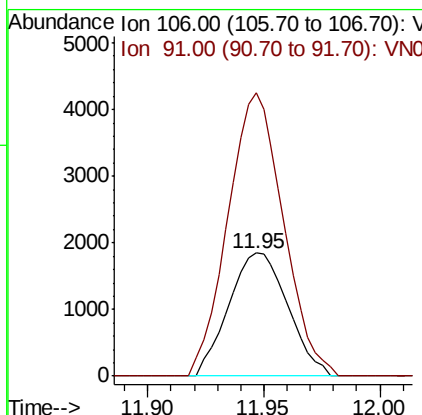
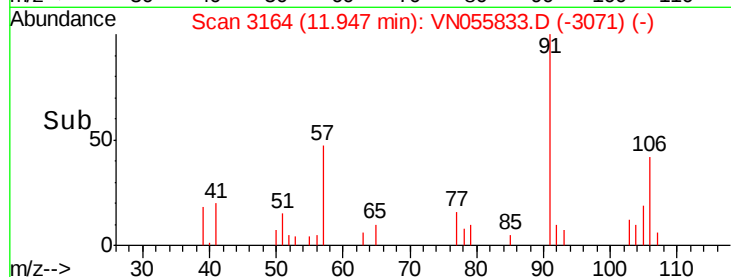
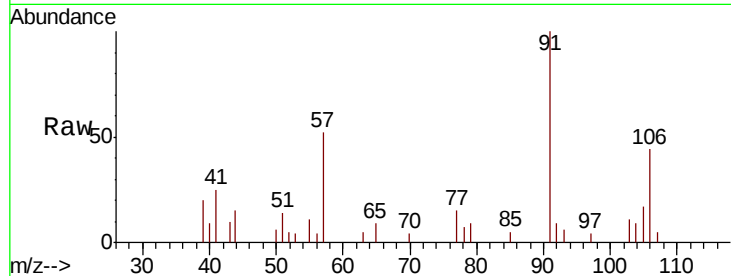




#69
o-Xylene
Concen: 0.466 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

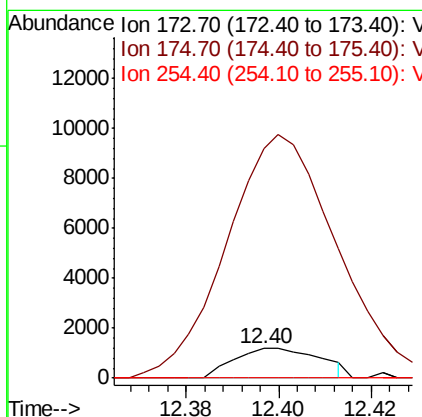
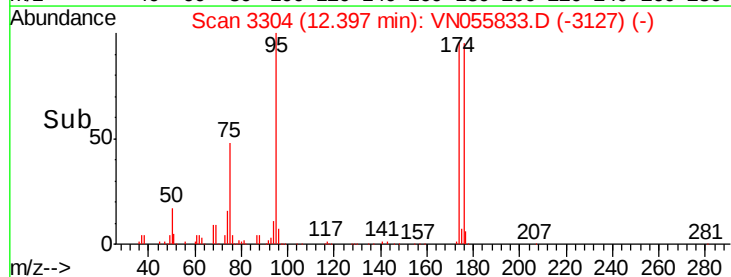
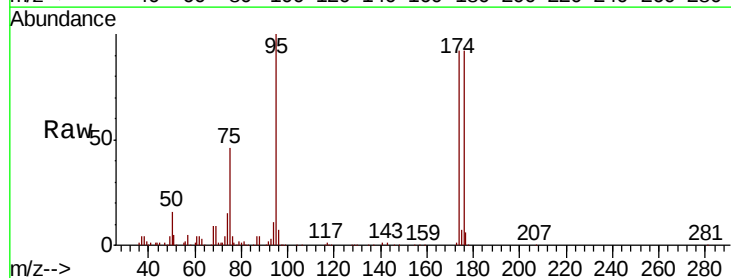
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

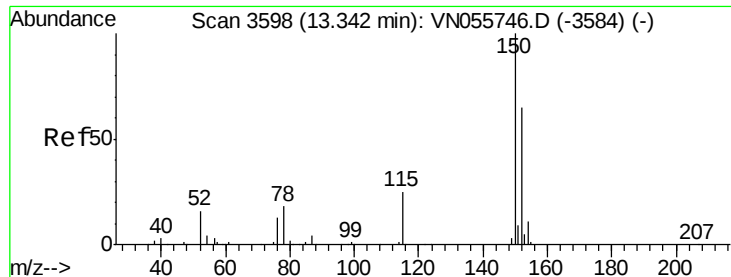
Tot Ion:106 Resp: 3260
Ion Ratio Lower Upper
106 100
91 216.5 104.7 314.1



#71
Bromoform
Concen: 0.435 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion:173 Resp: 1540
Ion Ratio Lower Upper
173 100
175 919.0 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

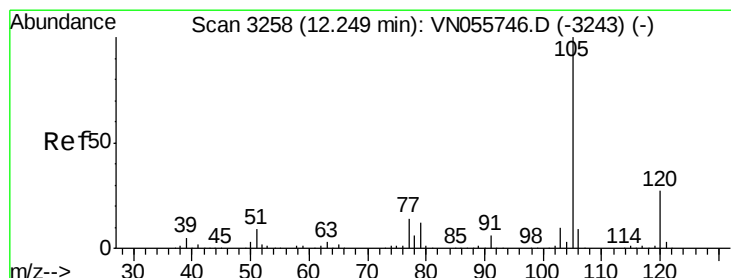
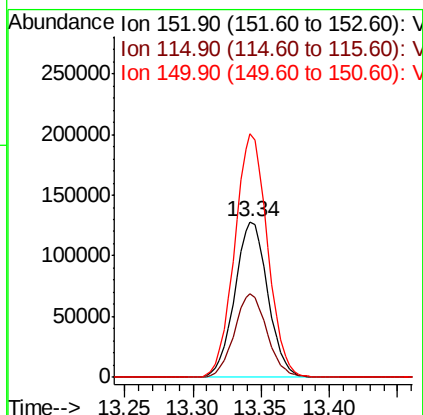
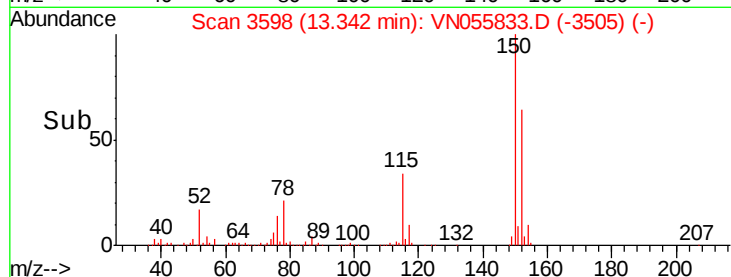
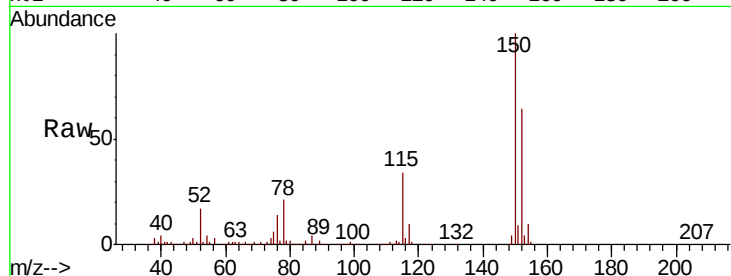
Tot Ion:152 Resp: 214779

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

150 155.9 0.0 343.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055833.D

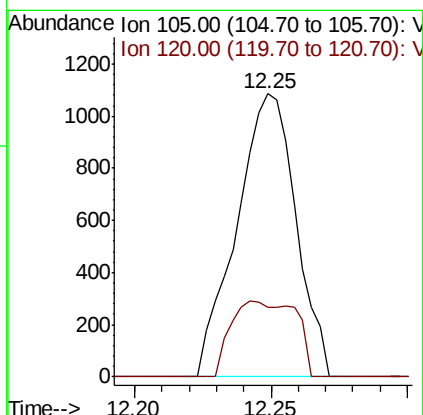
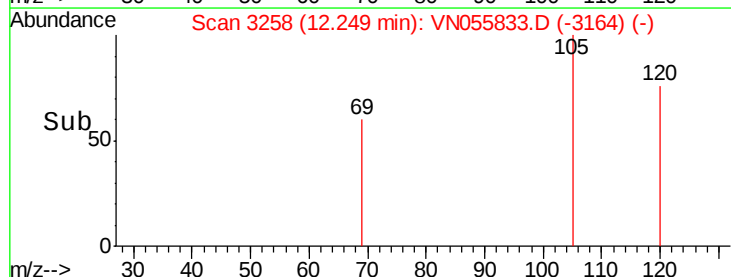
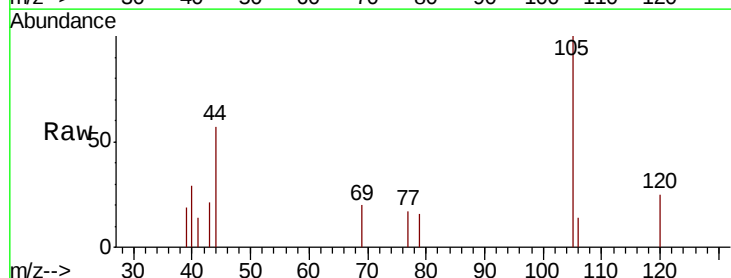
Acq: 25 May 2019 7:34

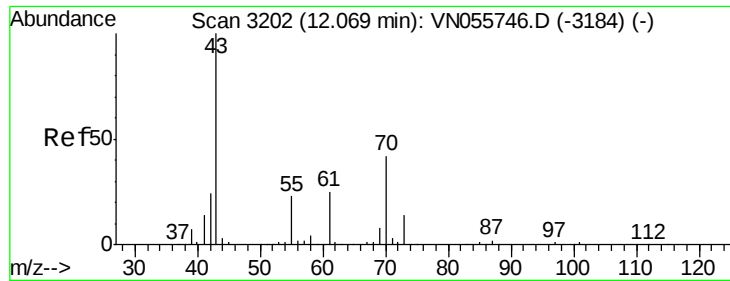
Tgt Ion:105 Resp: 1631

Ion Ratio Lower Upper

105 100

120 29.6 13.6 40.7





#74

N-amvl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPERATOR-3(OWS)-

Tot Ion: 43 Resp: 1868

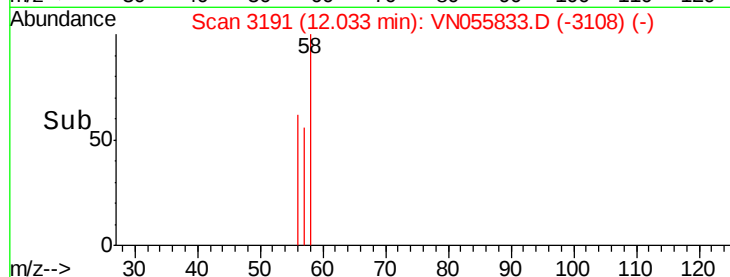
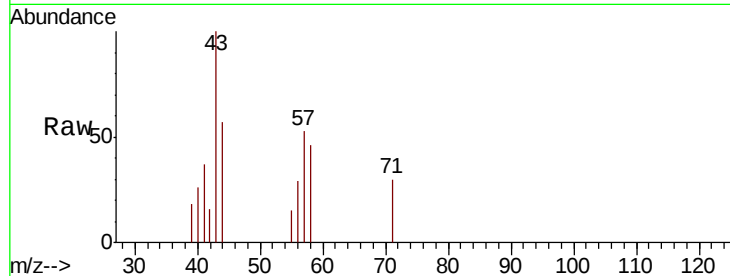
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

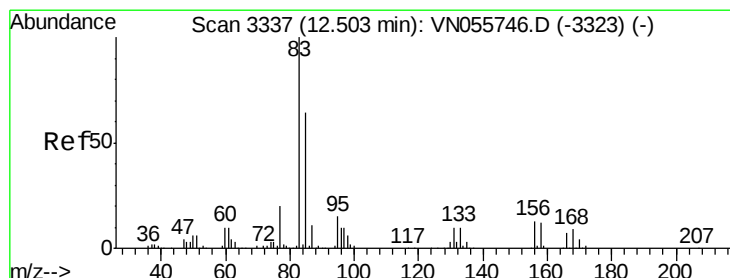
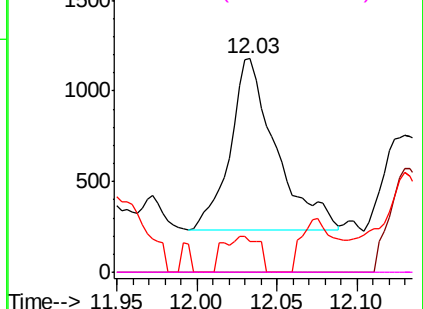


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: Below Cal

RT: 12.55 min Scan# 3352

Delta R.T. 0.05 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

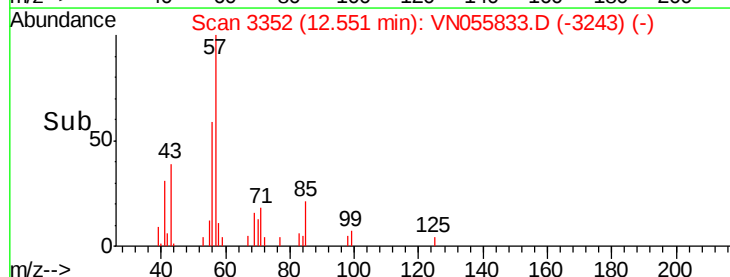
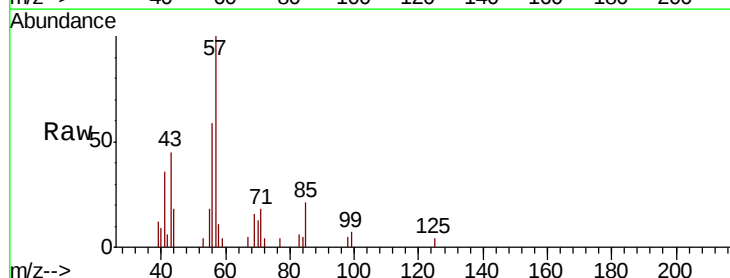
Tgt Ion: 83 Resp: 283

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

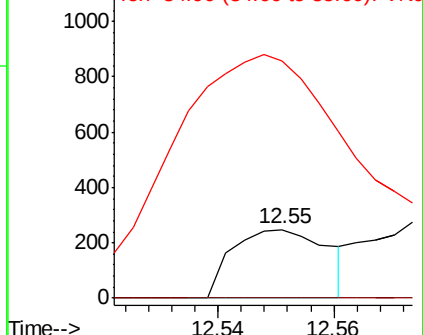
85 783.4 32.4 97.0#

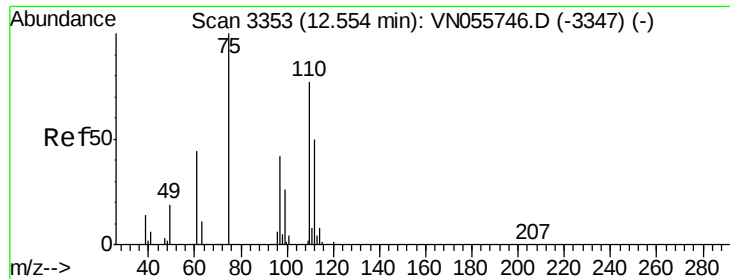


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 27.308 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

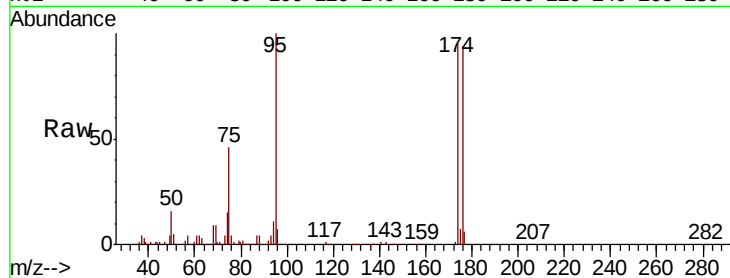
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion: 75 Resp: 106278

Ion Ratio Lower Upper

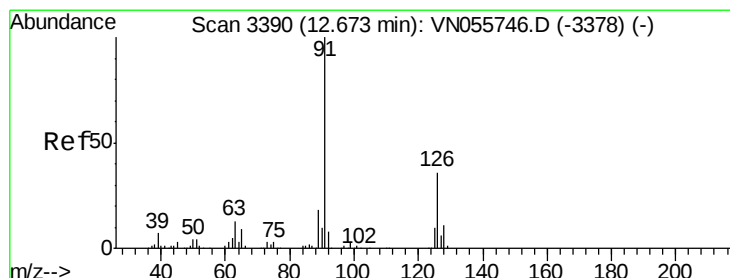
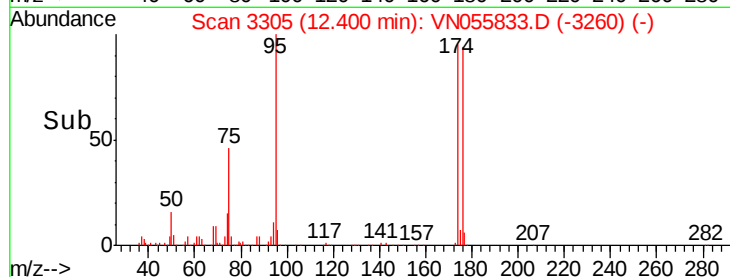
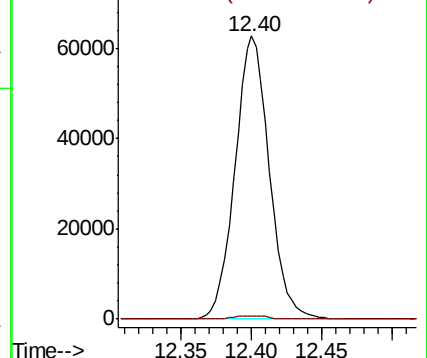
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN055833.D

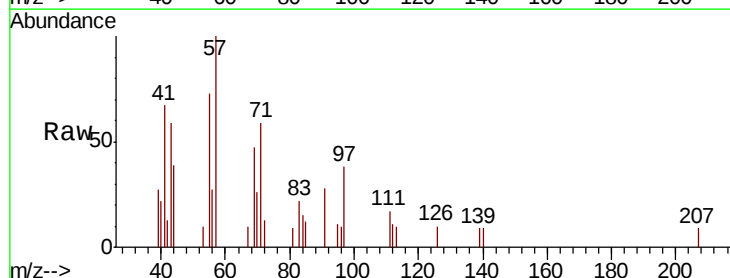
Acq: 25 May 2019 7:34

Tgt Ion: 91 Resp: 801

Ion Ratio Lower Upper

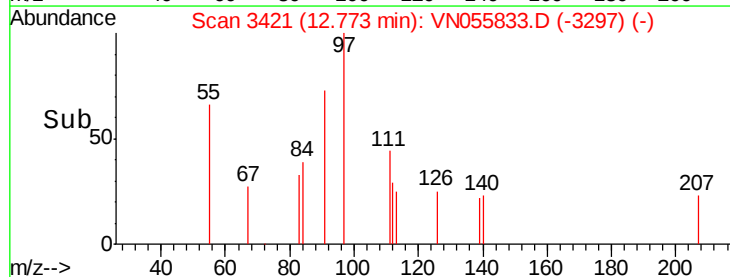
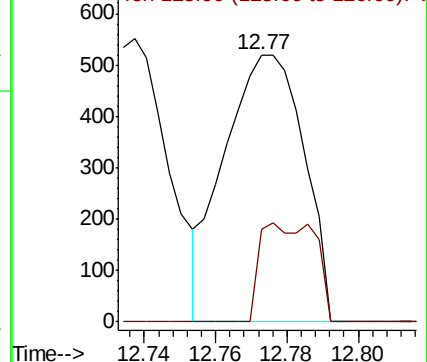
91 100

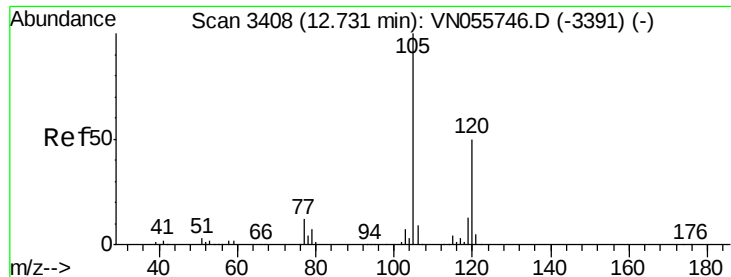
126 25.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

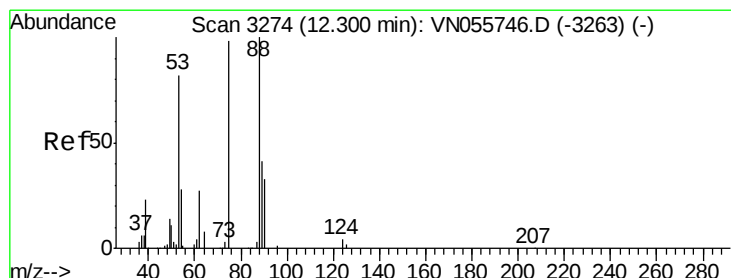
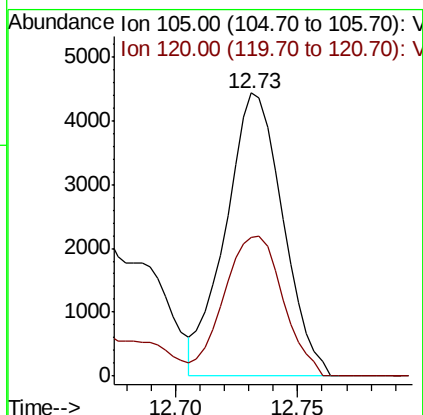
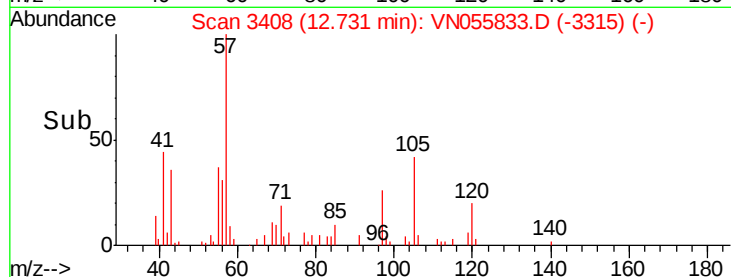
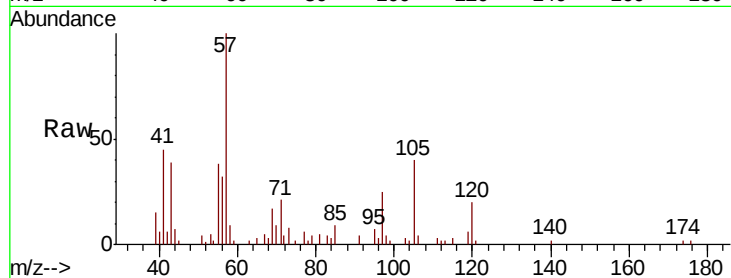
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:105 Resp: 7219

Ion Ratio Lower Upper

105 100

120 51.0 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 66.578 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

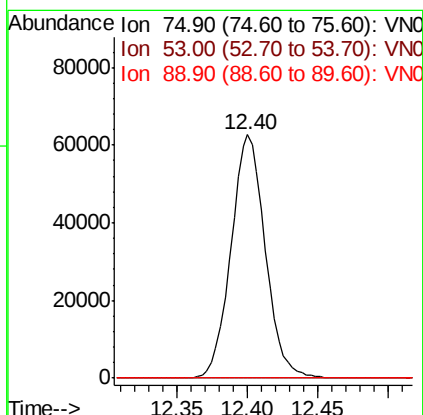
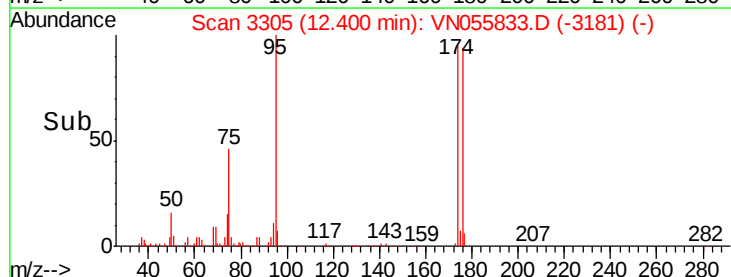
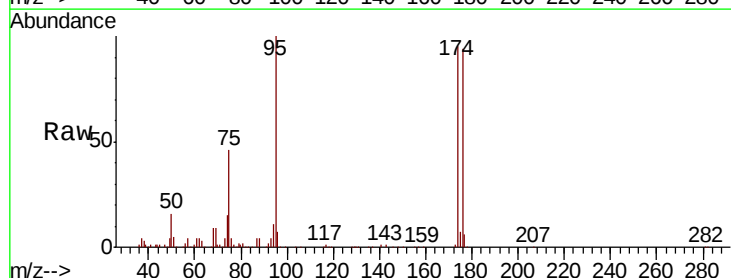
Tgt Ion: 75 Resp: 106278

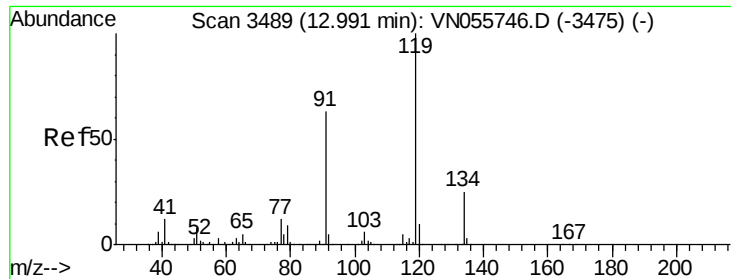
Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

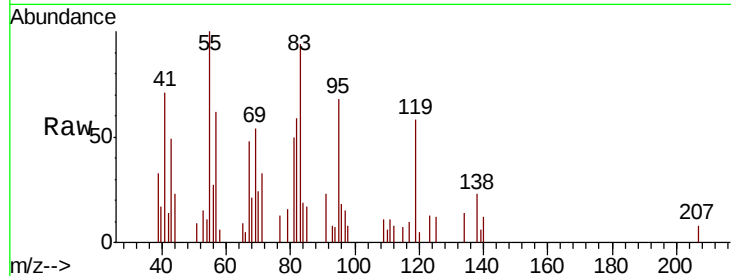




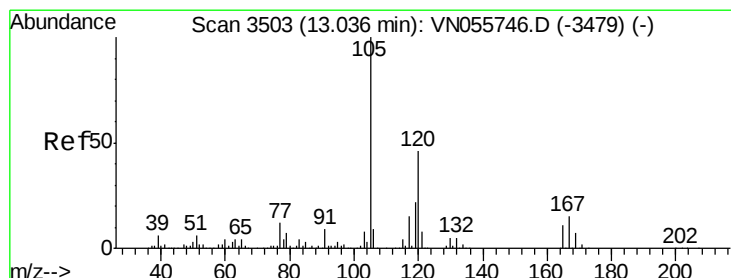
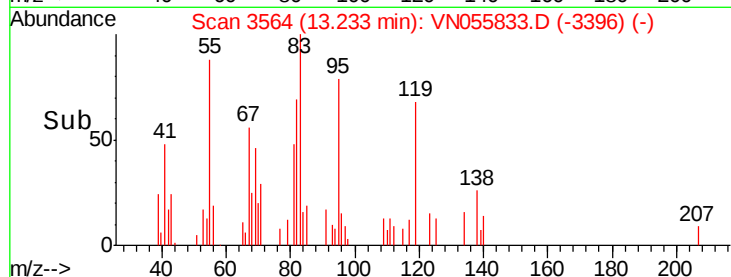
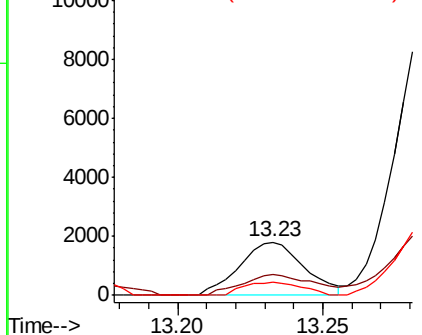
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.23 min Scan# 3564
Delta R.T. 0.24 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:119 Resp: 2799
Ion Ratio Lower Upper
119 100
91 43.2 30.9 92.8
134 22.3 13.3 39.8

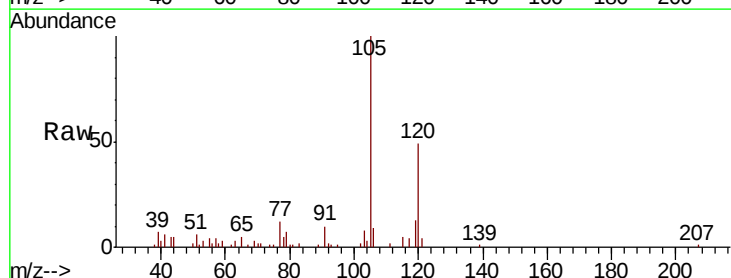


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

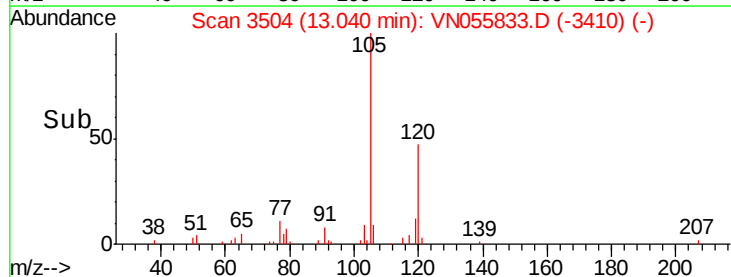
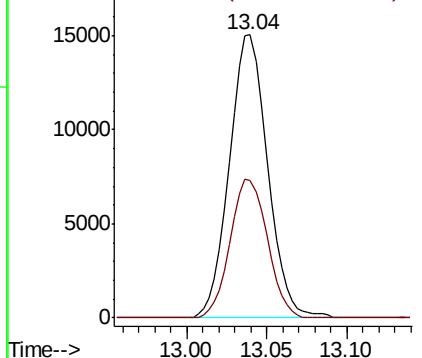


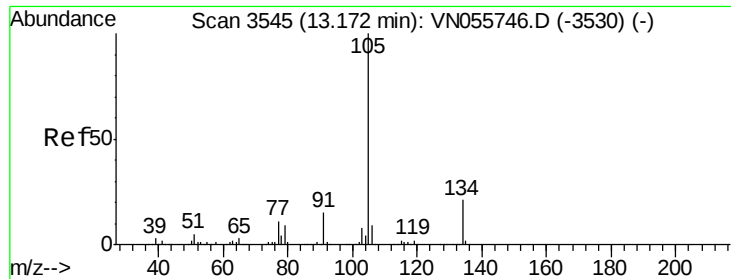
#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion:105 Resp: 24485
Ion Ratio Lower Upper
105 100
120 47.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

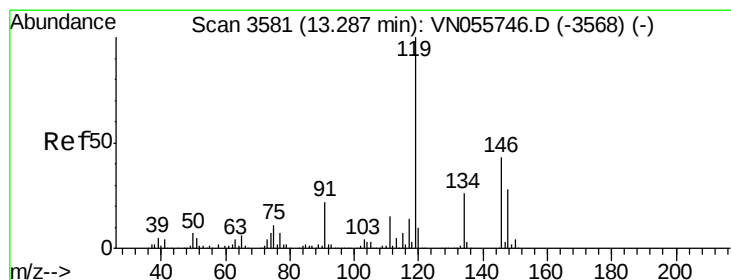
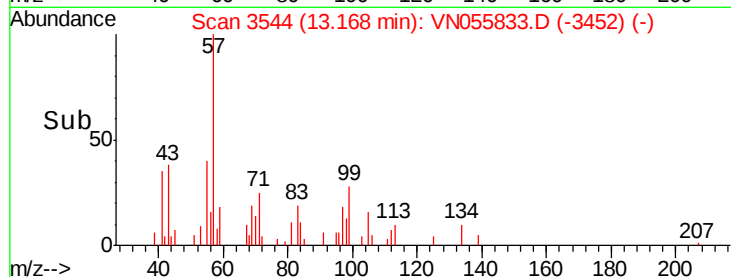
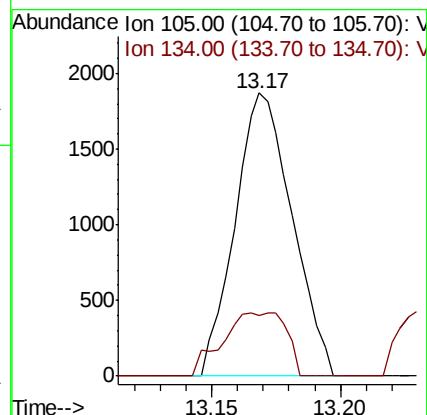
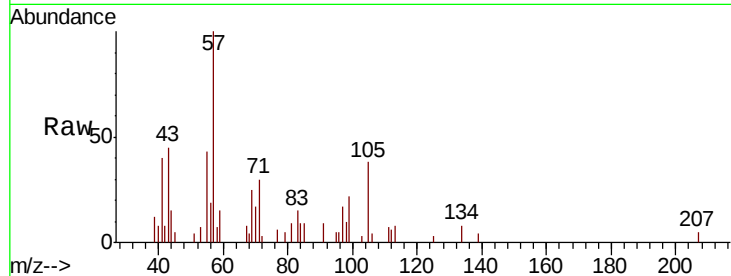
OIL-WATER-SEPARATOR-3(OWS)-

Tot Ion:105 Resp: 2892

Ion Ratio Lower Upper

105 100

134 24.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 1.068 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

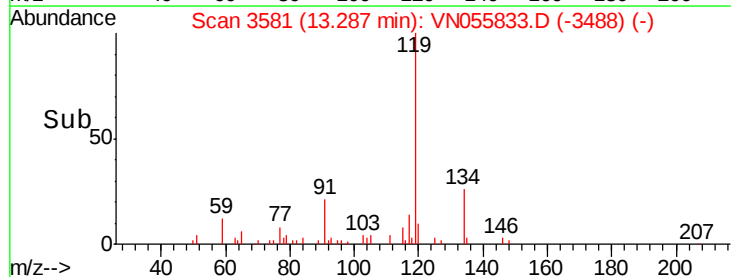
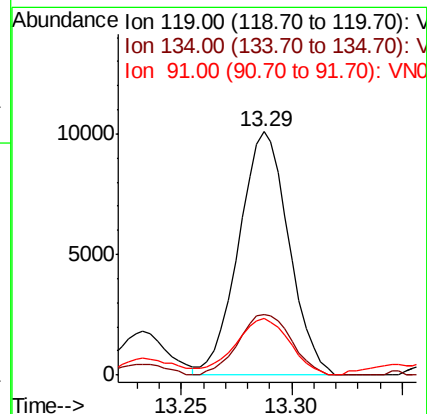
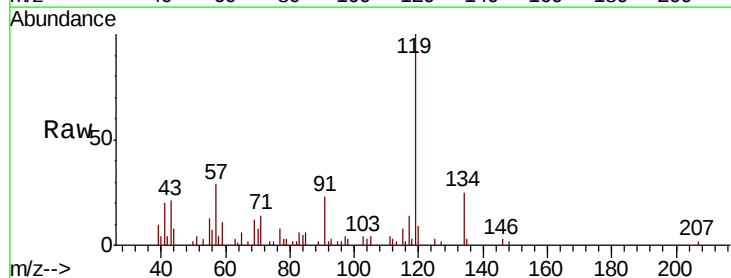
Tgt Ion:119 Resp: 15923

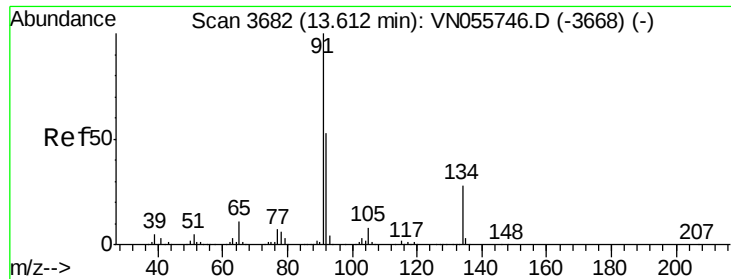
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 25.5 10.9 32.9

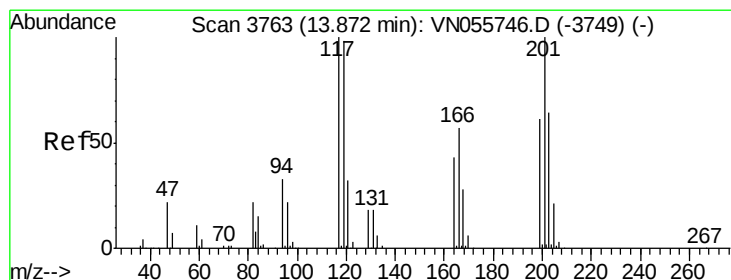
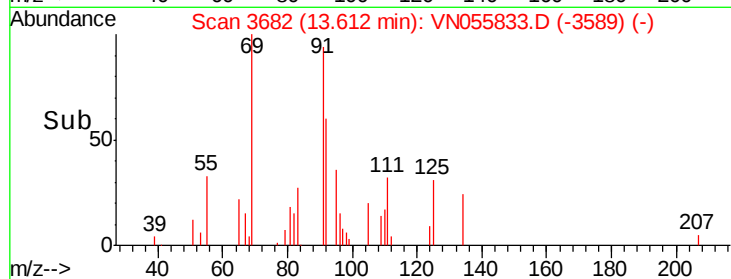
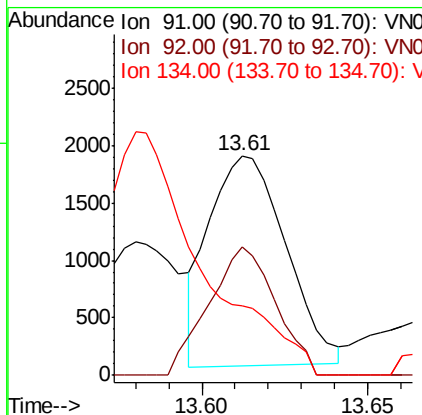
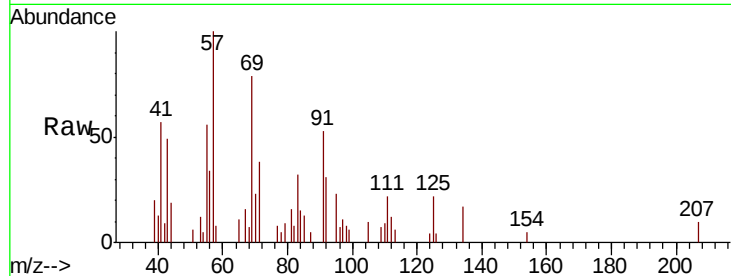




#89
n-Butylbenzene
Concen: 0.257 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

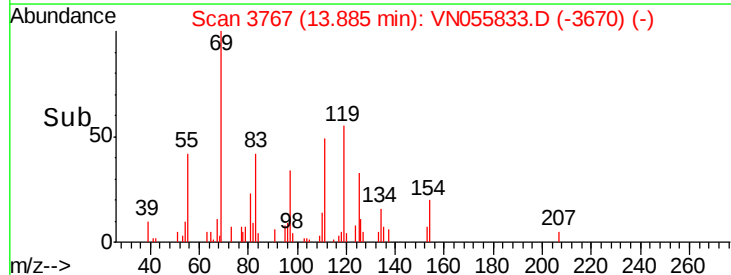
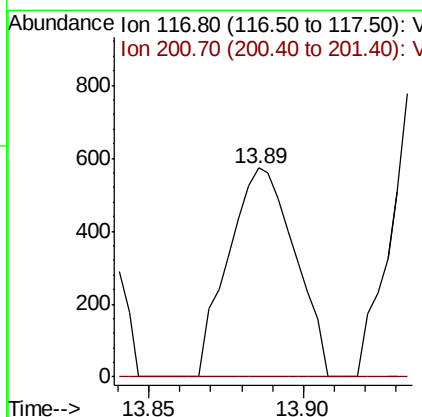
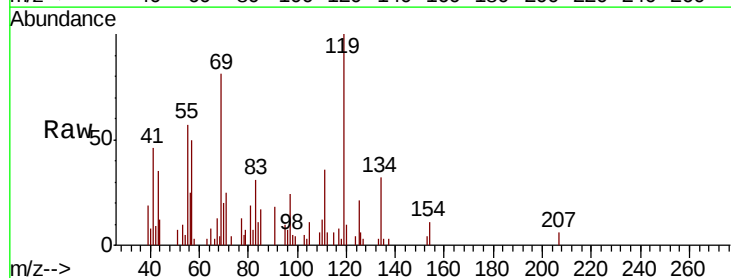
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-3(OWS)-

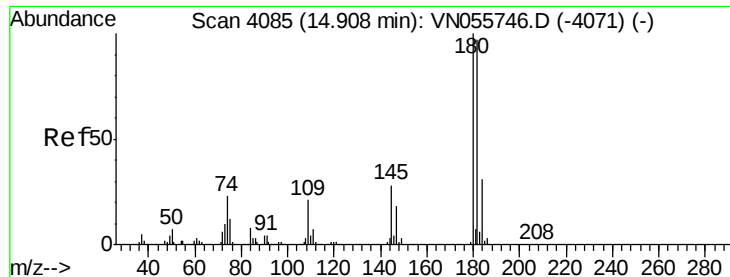
Tot Ion: 91 Resp: 2938
Ion Ratio Lower Upper
91 100
92 53.3 26.4 79.0
134 0.0 13.9 41.7#



#90
Hexachloroethane
Concen: 0.302 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN055833.D
Acq: 25 May 2019 7:34

Tgt Ion: 117 Resp: 857
Ion Ratio Lower Upper
117 100
201 0.0 50.0 150.0#

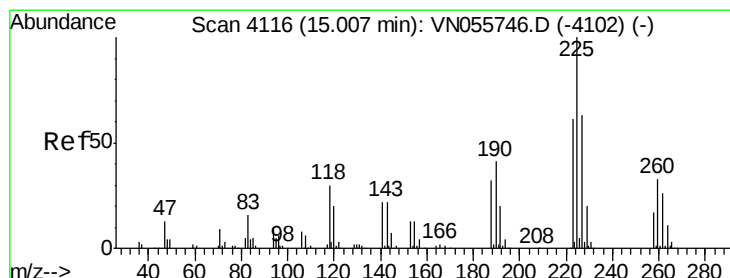
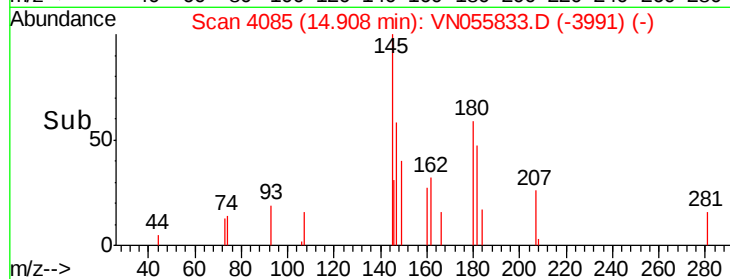
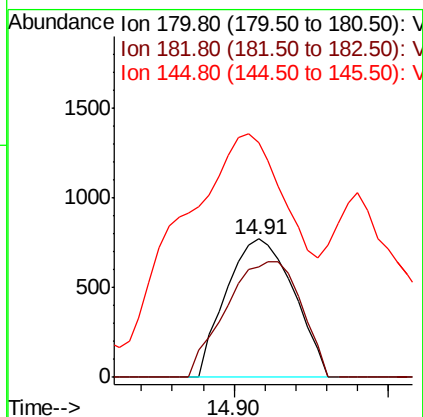
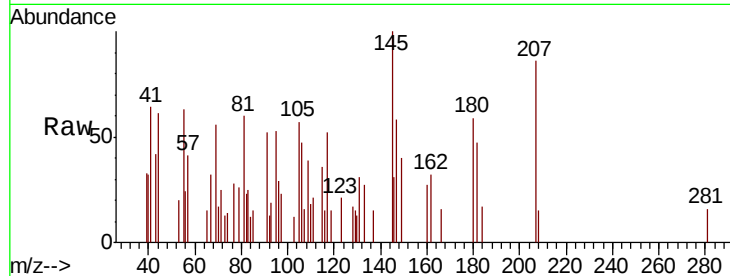




#93
 1,2,4-Trichlorobenzene
 Concen: 3.897 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

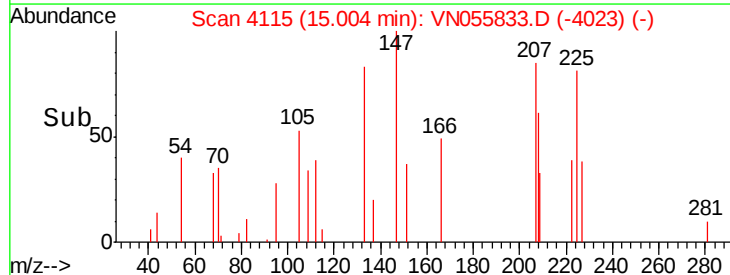
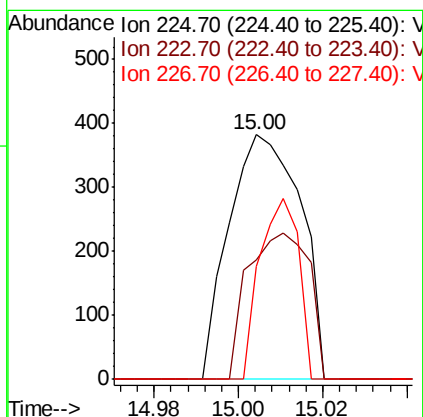
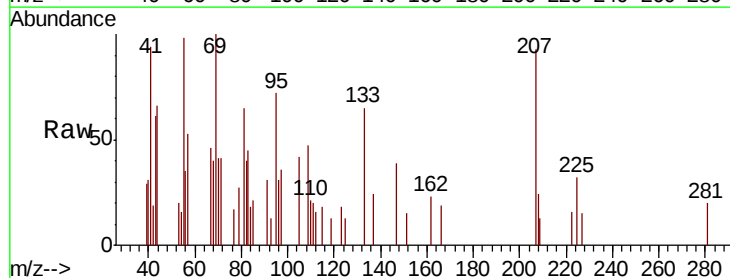
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-3(OWS)-

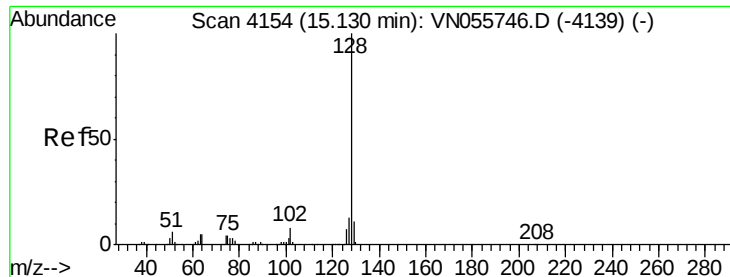
Tot Ion:180 Resp: 1171
 Ion Ratio Lower Upper
 180 100
 182 92.7 48.3 144.9
 145 244.7 14.0 41.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055833.D
 Acq: 25 May 2019 7:34

Tgt Ion:225 Resp: 450
 Ion Ratio Lower Upper
 225 100
 223 50.9 30.9 92.7
 227 39.8 31.6 94.7





#95

Naphthalene

Concen: 1.147 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-3(OWS)-

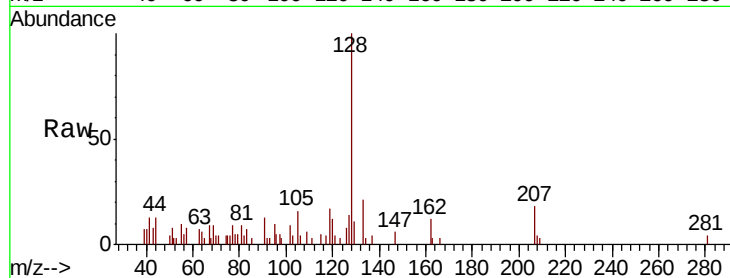
Tot Ion:128 Resp: 11393

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

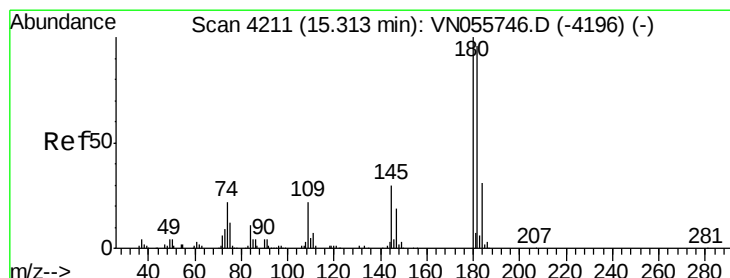
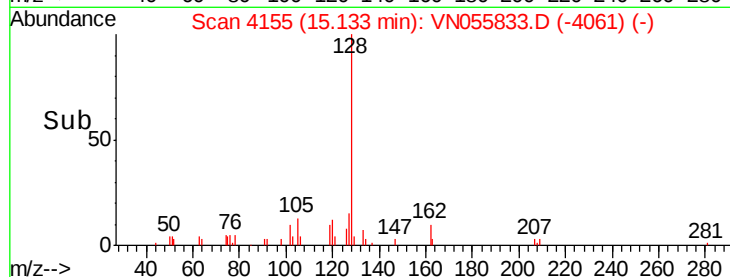
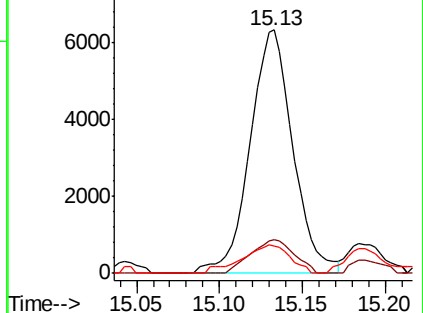
129 13.1 8.7 13.1#



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: 0.451 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055833.D

Acq: 25 May 2019 7:34

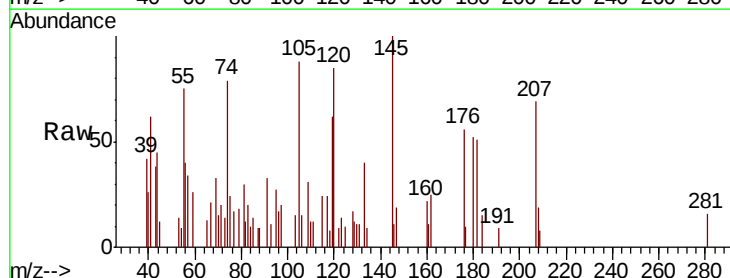
Tgt Ion:180 Resp: 1728

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.7

145 0.0 14.9 44.7#



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

