

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055293.D
 Acq On : 29 Apr 2019 15:03
 Operator : JC/SP
 Sample : K2598-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPERATOR-2(OWS-2)

Quant Time: Apr 30 04:31:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	377215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	648277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	592737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261194	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
35) Dibromofluoromethane	7.59	113	212106	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
50) Toluene-d8	10.09	98	805267	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.40	95	253724	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.77	59	2497	8.838	ug/l #	91
13) Acrolein	3.61	56	1812	8.212	ug/l #	80
14) Allyl chloride	4.55	41	150098	19.449	ug/l #	27
16) Acetone	3.82	43	81487	52.995	ug/l	100
17) Carbon Disulfide	4.05	76	12076	1.242	ug/l	97
18) Methyl Acetate	4.33	43	7267	0.924	ug/l #	67
20) Methylene Chloride	4.55	84	3180968	677.762	ug/l	98
25) 2-Butanone	6.84	43	32519	16.537	ug/l	94
29) Tetrahydrofuran	7.24	42	7655	6.079	ug/l #	41
31) Cyclohexane	7.66	56	9155	1.179	ug/l #	15
36) 1,1-Dichloropropene	7.67	75	28576	4.602	ug/l #	50
37) Ethyl Acetate	6.84	43	32519	6.833	ug/l #	71
38) Carbon Tetrachloride	7.66	117	36342	6.067	ug/l #	18
41) Methacrylonitrile	7.24	41	3326	2.012	ug/l #	50
43) Isopropyl Acetate	8.16	43	14825	1.938	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1523	0.288	ug/l #	45
48) Methyl methacrylate	9.18	41	7934	2.110	ug/l #	18
51) 4-Methyl-2-Pentanone	9.99	43	12838	2.981	ug/l	97
52) Toluene	10.16	92	126620	12.056	ug/l	97
53) t-1,3-Dichloropropene	10.15	75	1450	0.270	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	46410	6.926	ug/l #	65
55) 1,1,2-Trichloroethane	10.42	97	1065	0.273	ug/l #	13
57) 1,3-Dichloropropane	10.76	76	7865	1.150	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	203	12.534	ug/l #	52
59) 2-Hexanone	10.76	43	144282	53.553	ug/l #	56
67) Ethyl Benzene	11.51	91	9009	0.430	ug/l	92
68) m/p-Xylenes	11.62	106	8681	1.162	ug/l	89
69) o-Xylene	11.95	106	6730	0.909	ug/l	97
73) Isopropylbenzene	12.25	105	2452	Below Cal		83
74) N-amyl acetate	12.03	43	2355	0.491	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.53	83	63	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	130660	36.973	ug/l #	100
77) Bromobenzene	12.41	156	96	Below Cal	#	1
78) n-propylbenzene	12.59	91	5738	0.299	ug/l	95

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 Quant Title : SW846 8260
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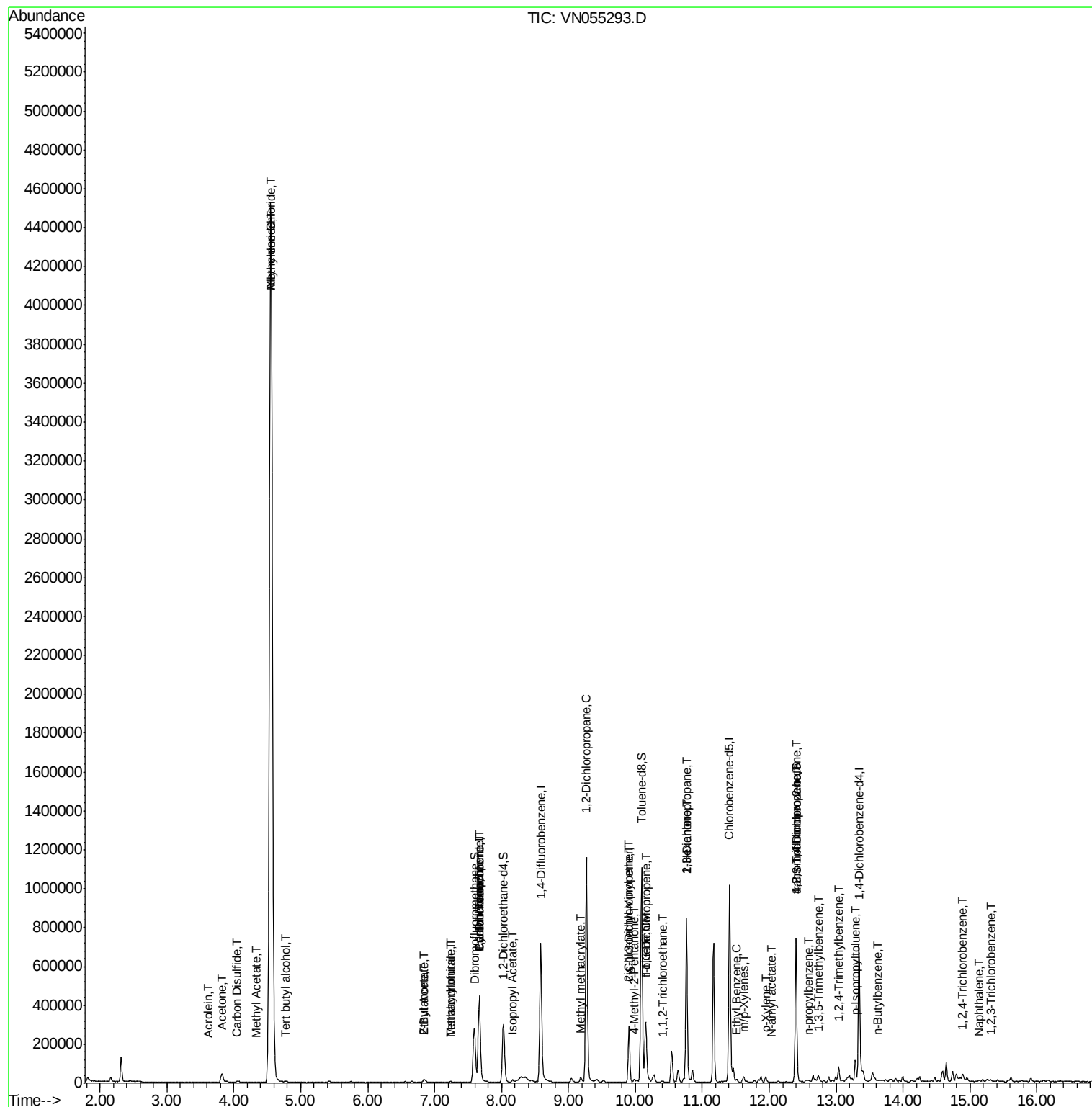
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.65	91	3516	Below Cal	#	42
80) 1,3,5-Trimethylbenzene	12.73	105	11686	0.798 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	130660	132.548 ug/l	#	7
83) tert-Butylbenzene	13.23	119	2741	Below Cal		80
84) 1,2,4-Trimethylbenzene	13.04	105	42399	3.237 ug/l		98
86) p-Isopropyltoluene	13.29	119	59720	4.565 ug/l		98
89) n-Butylbenzene	13.61	91	2349	0.253 ug/l	#	81
90) Hexachloroethane	13.89	117	1191	Below Cal	#	7
93) 1,2,4-Trichlorobenzene	14.90	180	207	3.390 ug/l	#	57
94) Hexachlorobutadiene	15.00	225	132	Below Cal	#	66
95) Naphthalene	15.13	128	5742	4.361 ug/l	#	92
96) 1,2,3-Trichlorobenzene	15.32	180	148	2.671 ug/l	#	4

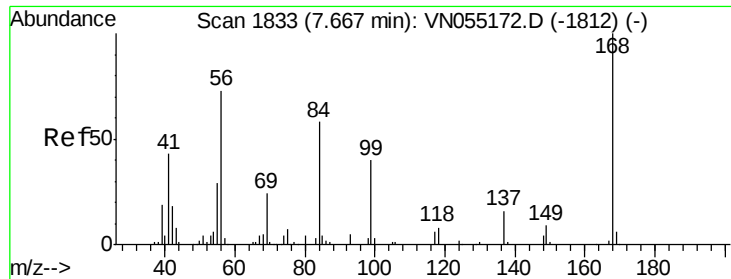
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

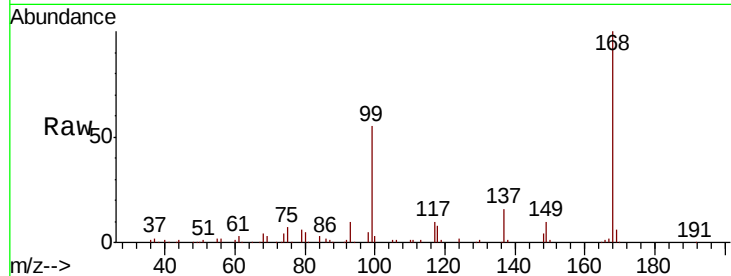
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion:168 Resp: 377215

Ion Ratio Lower Upper

168 100

99 55.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.67

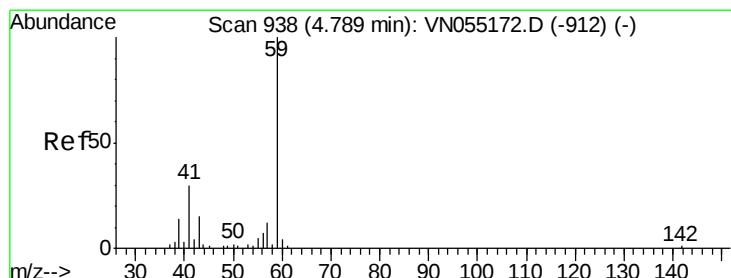
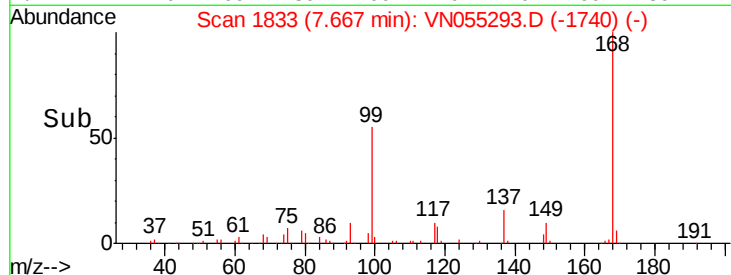
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.838 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN055293.D

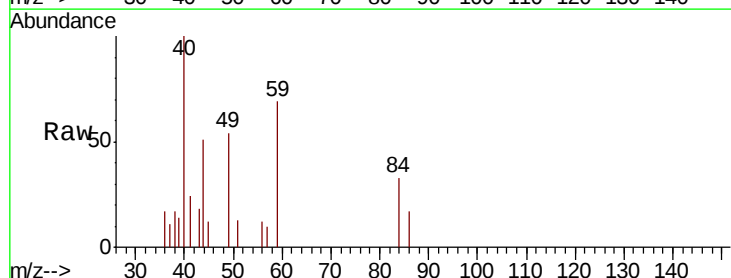
Acq: 29 Apr 2019 15:03

Tgt Ion: 59 Resp: 2497

Ion Ratio Lower Upper

59 100

57 6.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN055172.D (-912) (-)

Ion 57.00 (56.70 to 57.70): VN055172.D (-912) (-)

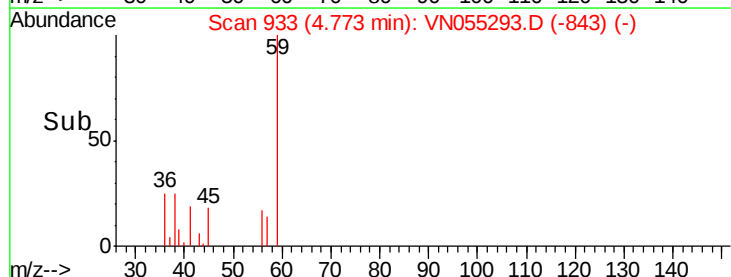
4.77

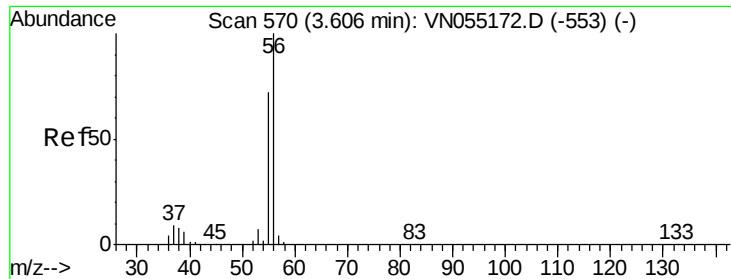
1000

500

0

Time-->

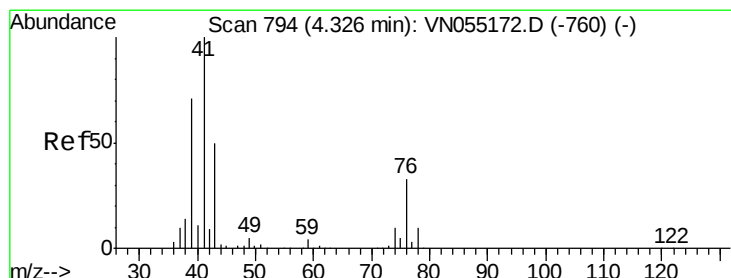
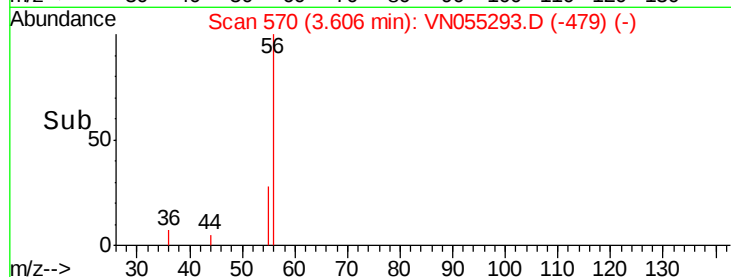
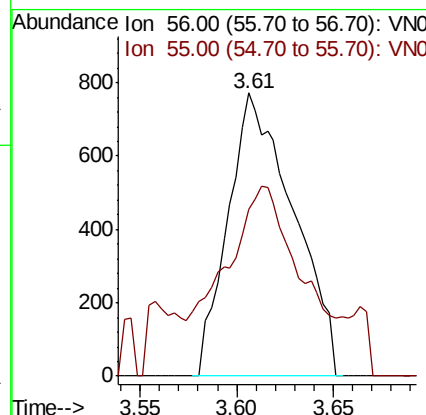
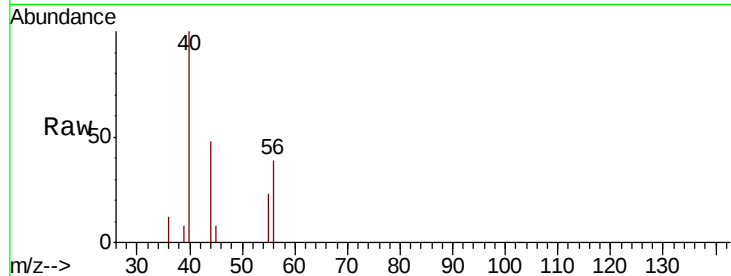




#13
Acrolein
Concen: 8.212 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.01 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

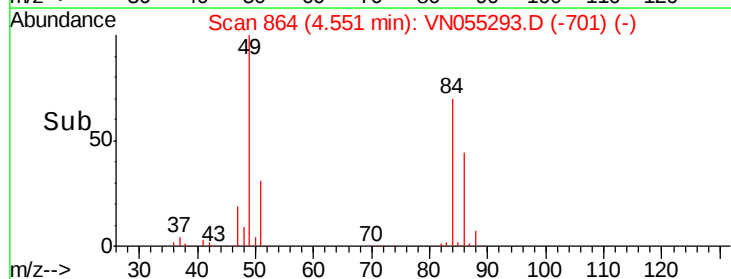
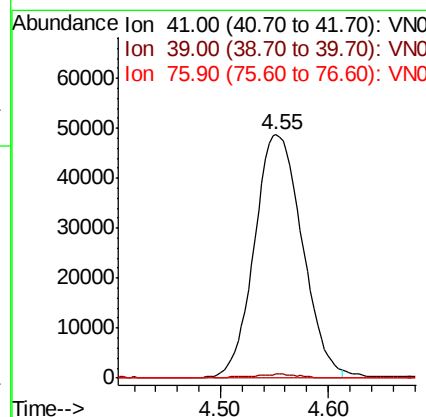
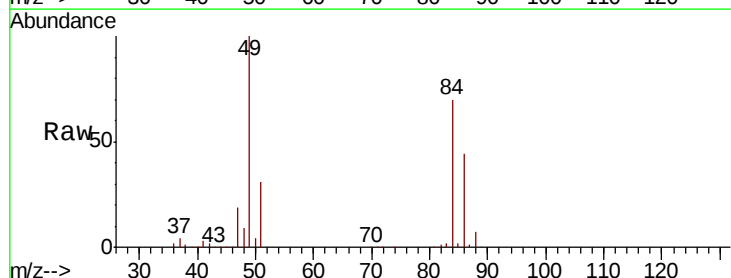
Instrument :
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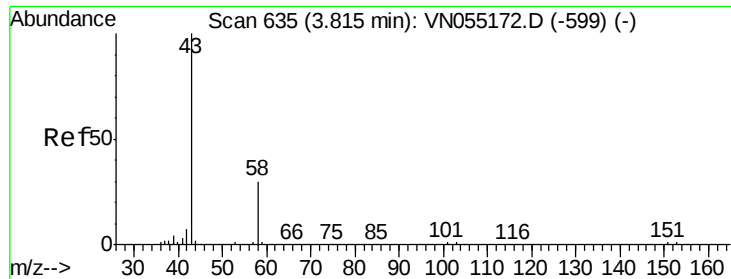
Tgt Ion: 56 Resp: 1812
Ion Ratio Lower Upper
56 100
55 55.4 57.4 86.2#



#14
Allyl chloride
Concen: 19.449 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 41 Resp: 150098
Ion Ratio Lower Upper
41 100
39 1.4 53.0 79.6#
76 0.0 22.7 34.1#





#16

Acetone

Concen: 52.995 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

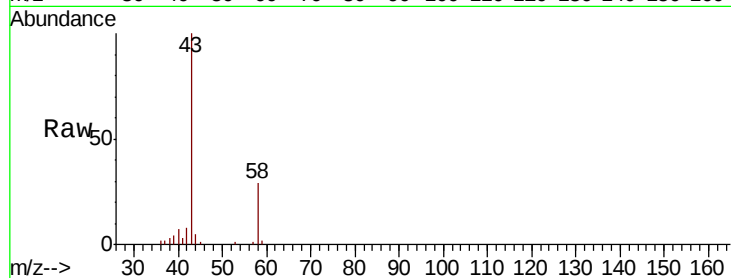
OIL-WATER-SEPARATOR-2(OWS-2

Tgt Ion: 43 Resp: 81487

Ion Ratio Lower Upper

43 100

58 29.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

30000

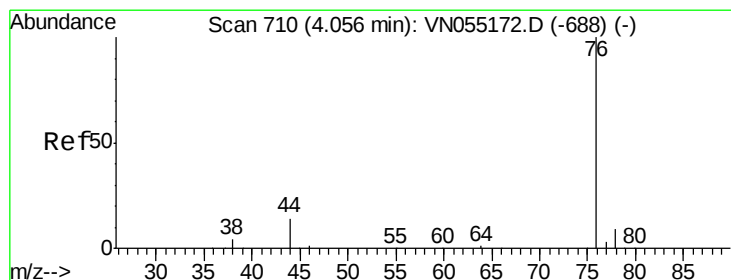
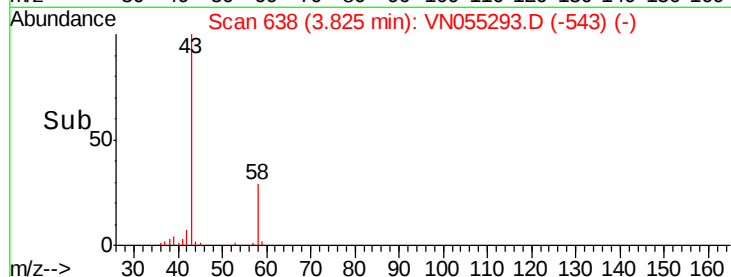
20000

10000

0

Time-->

3.70 3.80 3.90



#17

Carbon Disulfide

Concen: 1.242 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055293.D

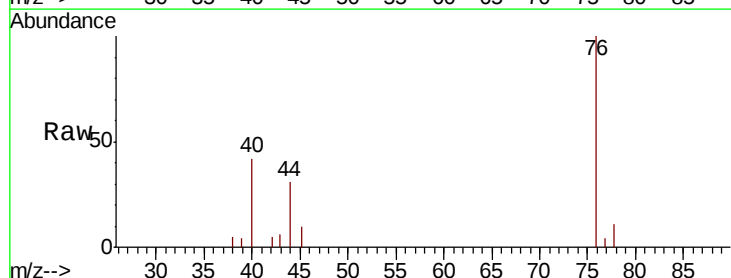
Acq: 29 Apr 2019 15:03

Tgt Ion: 76 Resp: 12076

Ion Ratio Lower Upper

76 100

78 10.6 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

5000

4000

3000

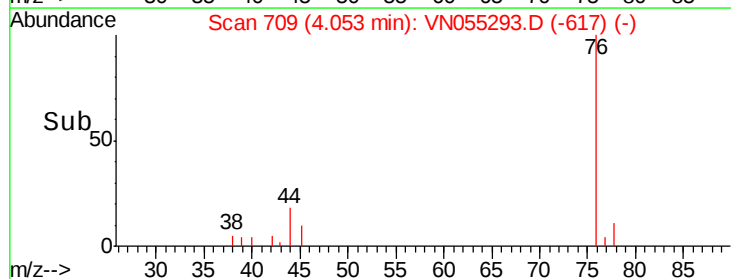
2000

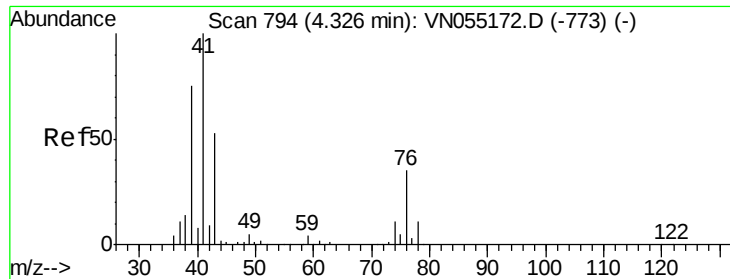
1000

0

Time-->

4.00 4.05 4.10 4.15

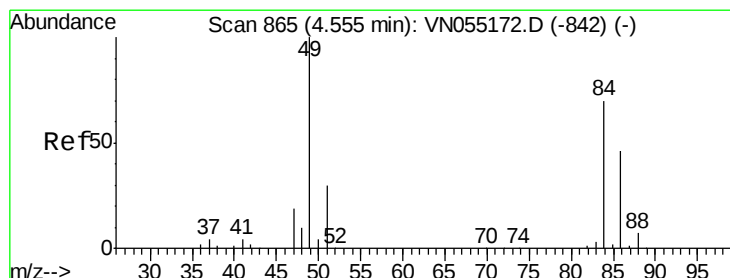
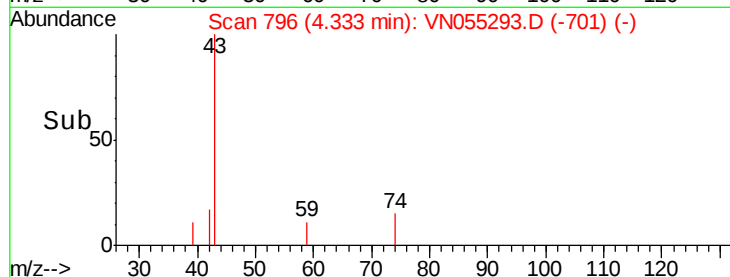
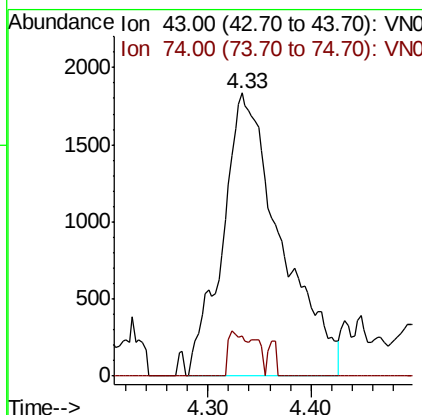
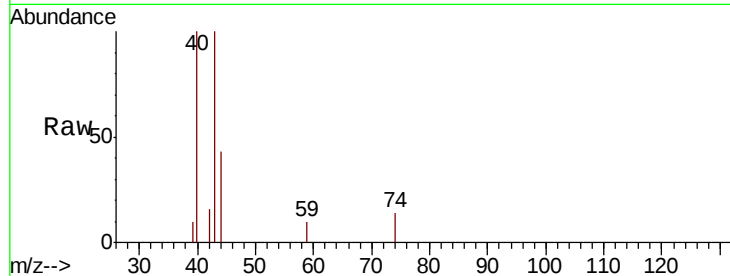




#18
Methyl Acetate
Concen: 0.924 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

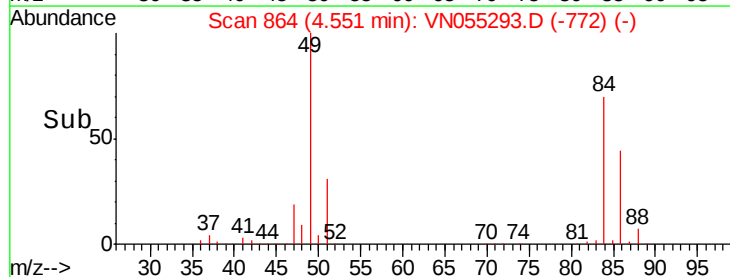
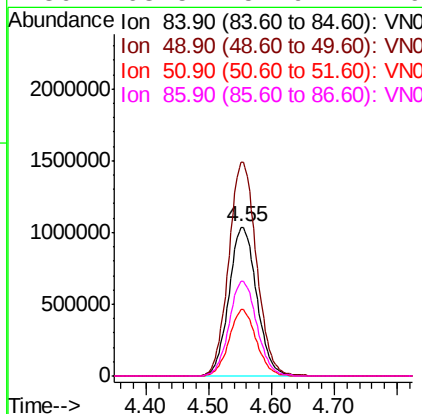
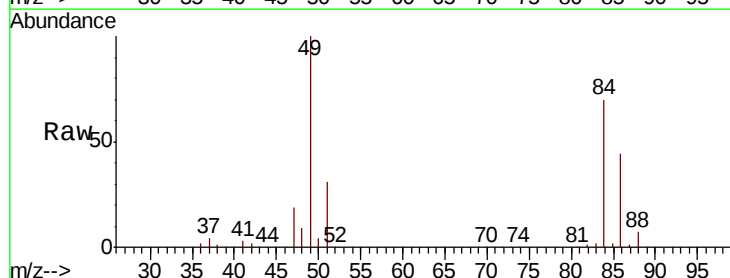
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OIL-WATER-SEPARATOR-2(OWS-2)

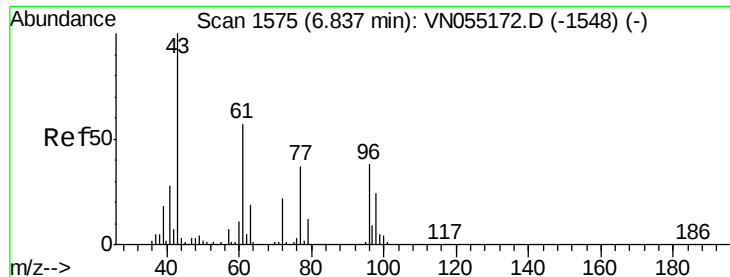
Tgt Ion: 43 Resp: 7267
Ion Ratio Lower Upper
43 100
74 4.6 15.8 23.8#



#20
Methylene Chloride
Concen: 677.762 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 84 Resp: 3180968
Ion Ratio Lower Upper
84 100
49 143.7 112.4 168.6
51 44.6 34.6 51.8
86 63.5 51.9 77.9

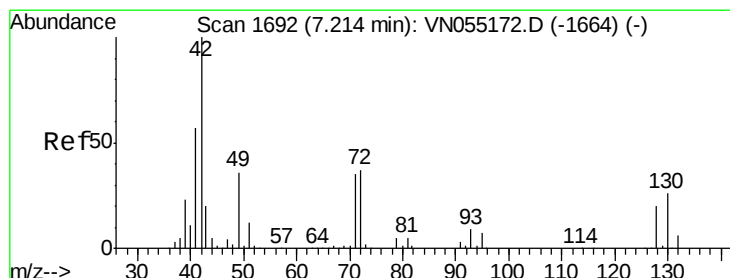
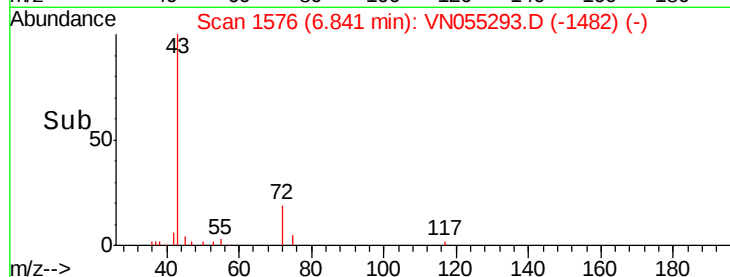
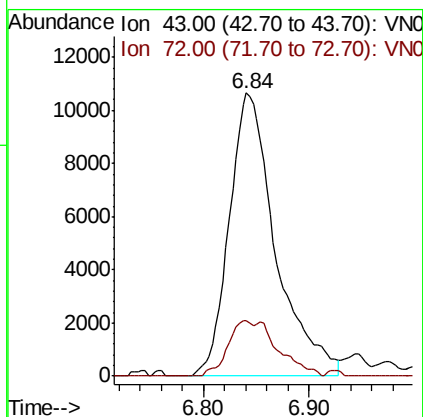
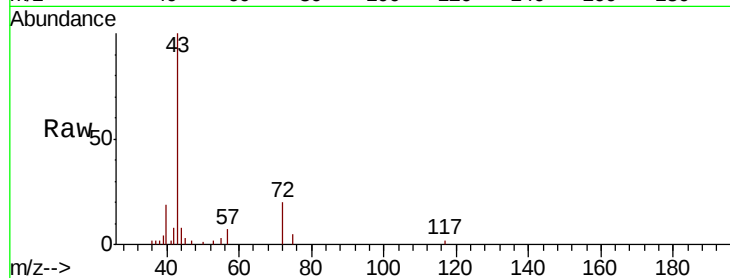




#25
2-Butanone
Concen: 16.537 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

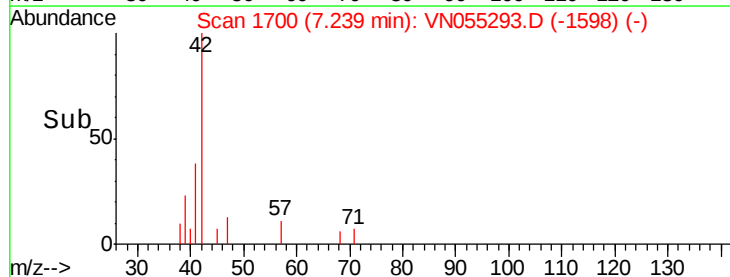
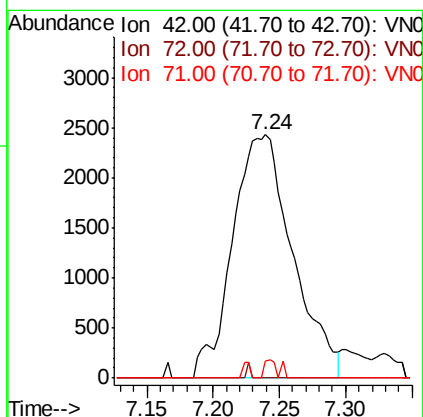
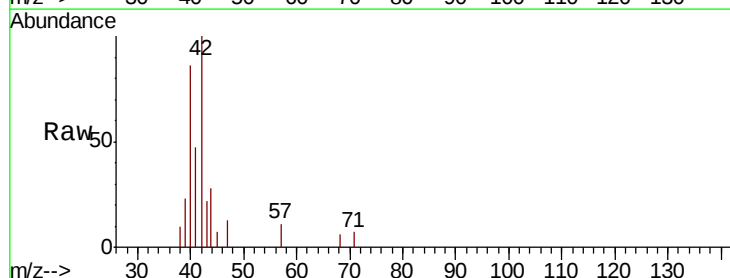
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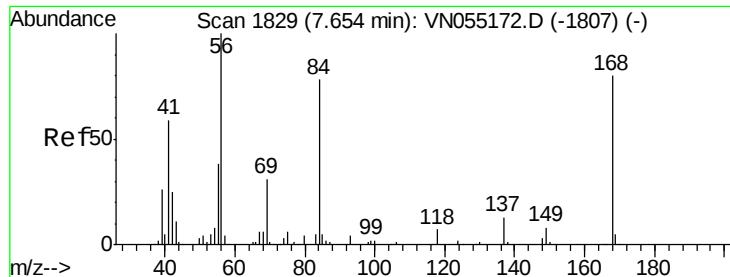
Tgt Ion: 43 Resp: 32519
Ion Ratio Lower Upper
43 100
72 19.6 18.0 27.0



#29
Tetrahydrofuran
Concen: 6.079 ug/l
RT: 7.24 min Scan# 1700
Delta R.T. 0.03 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 42 Resp: 7655
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 1.7 27.1 40.7#

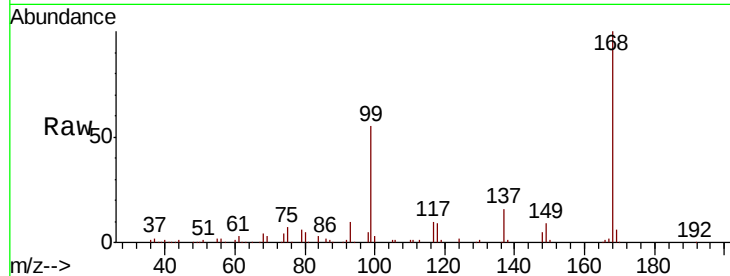




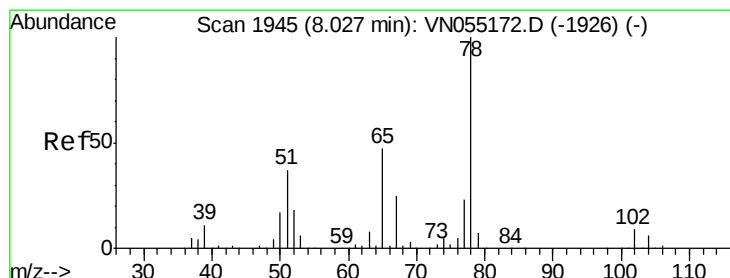
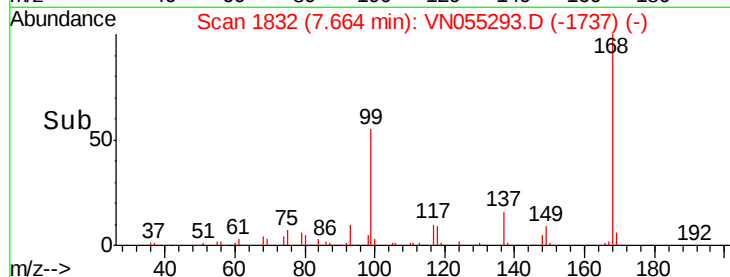
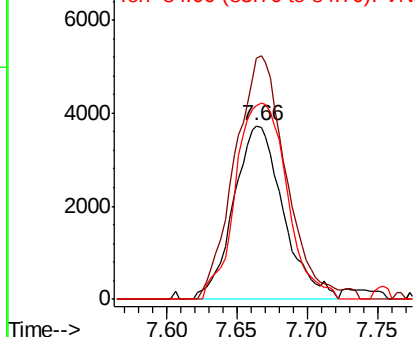
#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPERATOR-2(OWS-2)

Tgt Ion: 56 Resp: 9155
Ion Ratio Lower Upper
56 100
69 138.7 25.2 37.8#
84 111.5 61.1 91.7#

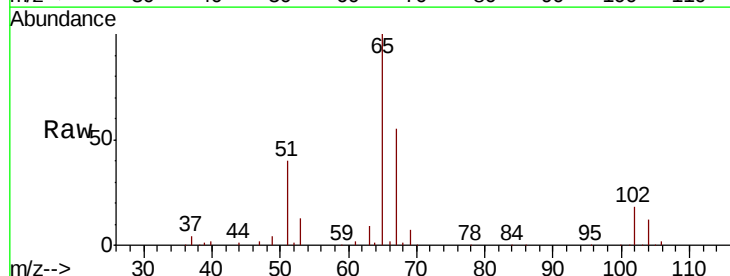


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

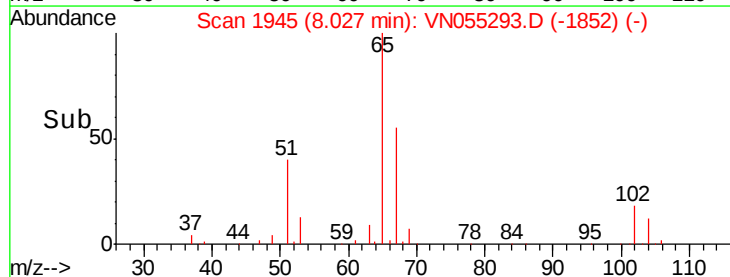
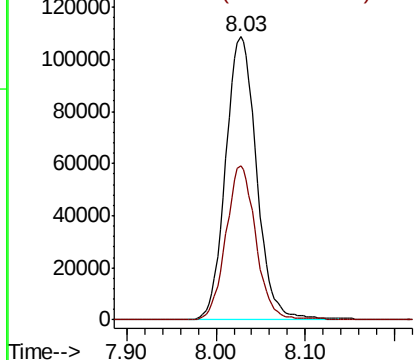


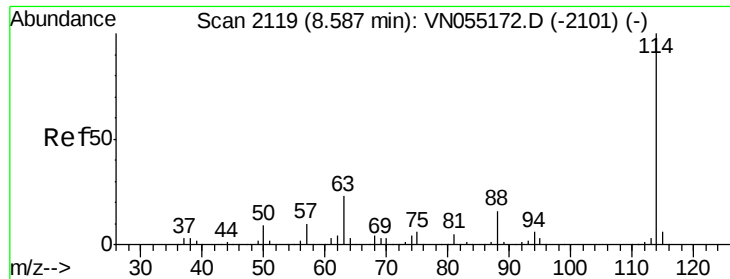
#33
1,2-Dichloroethane-d4
Concen: 52.929 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 65 Resp: 261194
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

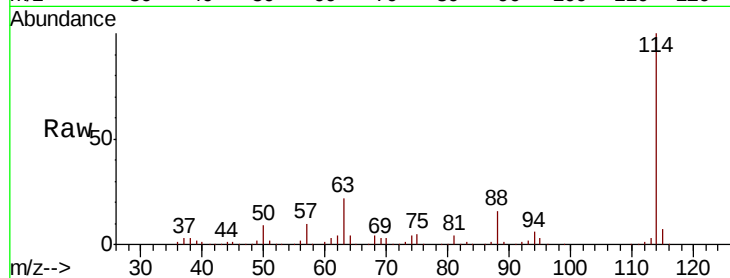




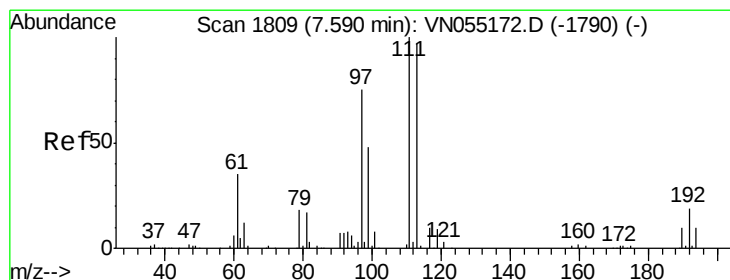
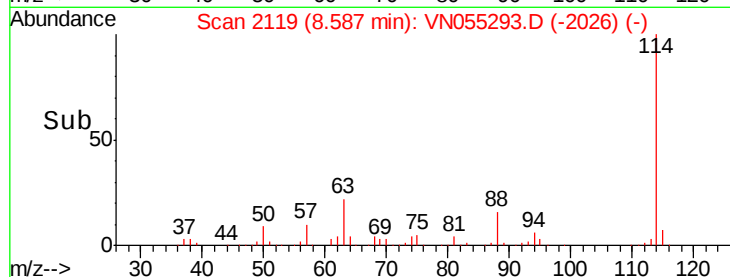
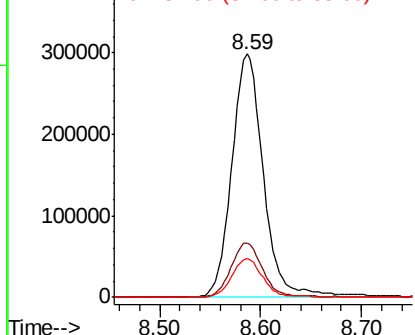
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion:114 Resp: 648277
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 15.8 0.0 31.6

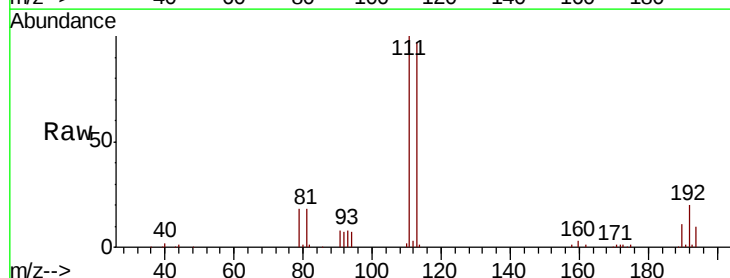


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

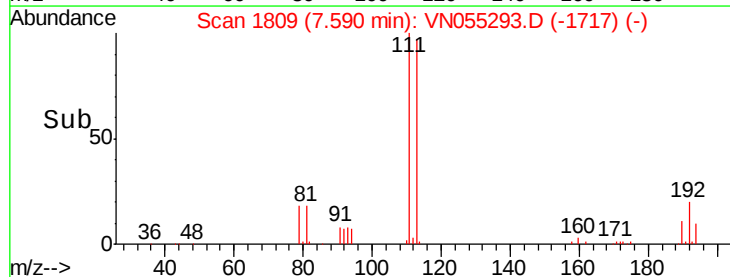
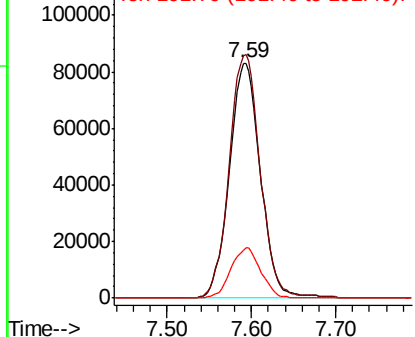


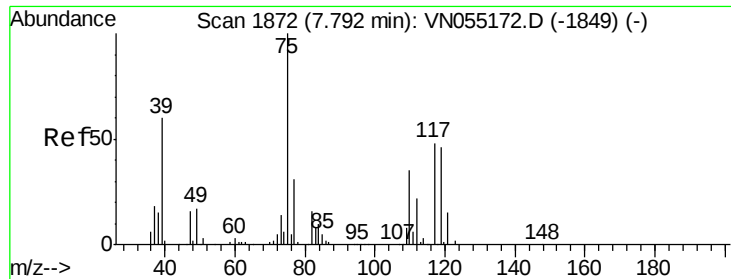
#35
 Dibromofluoromethane
 Concen: 49.848 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion:113 Resp: 212106
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.3 123.5
 192 20.7 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

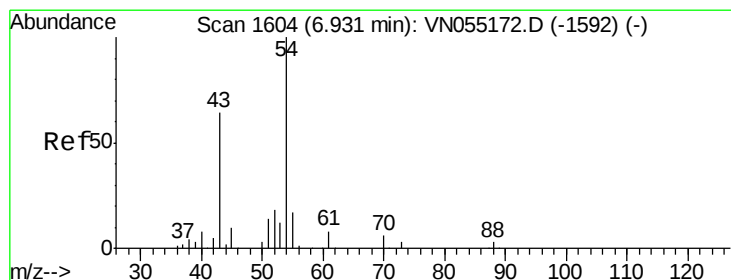
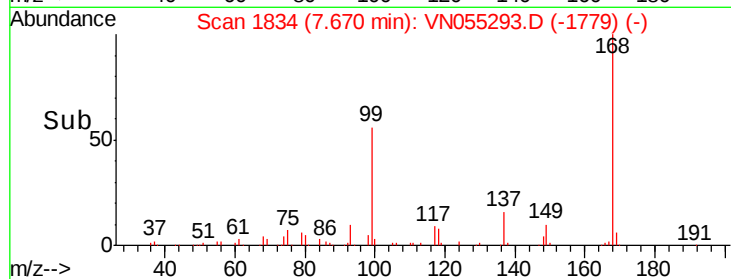
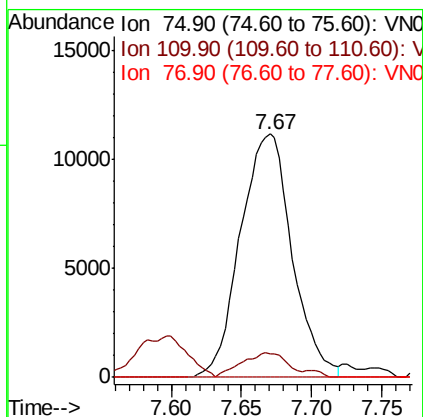
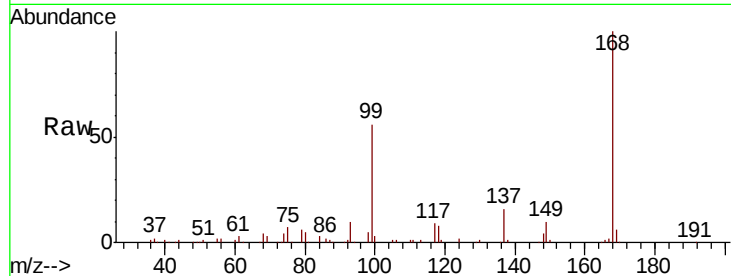




#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

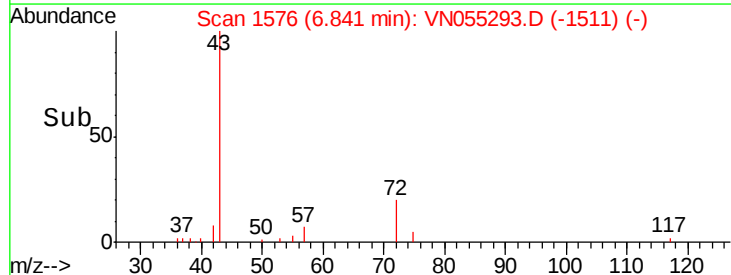
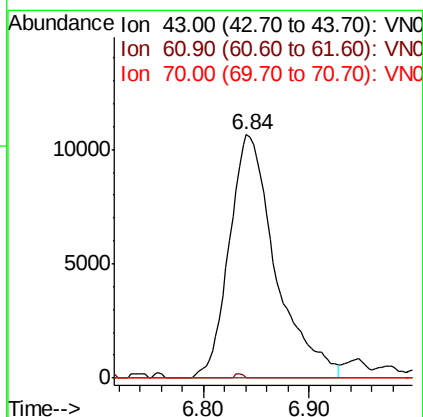
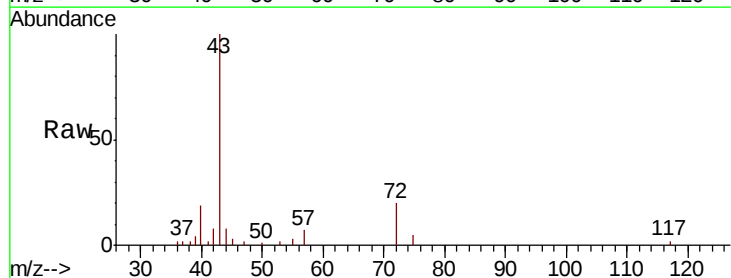
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

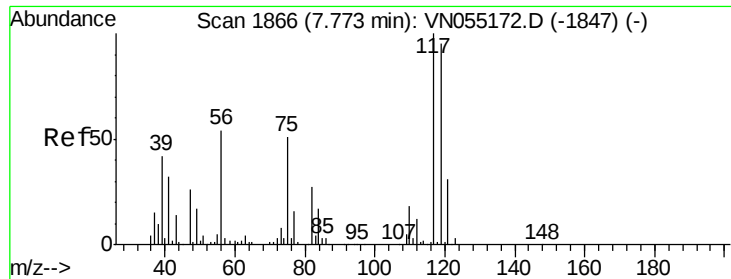
Tgt Ion: 75 Resp: 28576
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.8 50.4#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 6.833 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 32519
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 0.0 6.6 10.0#

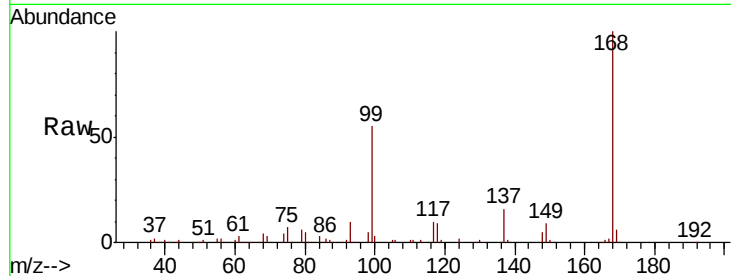




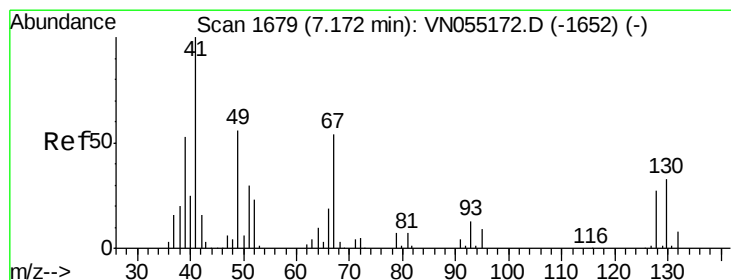
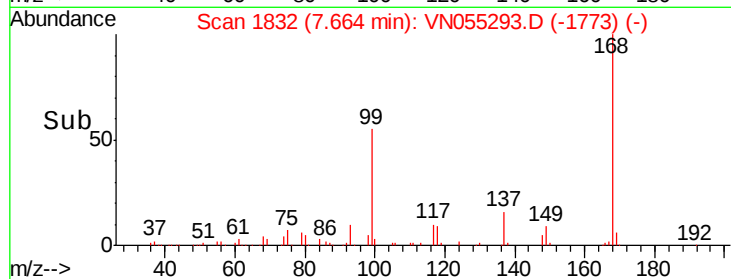
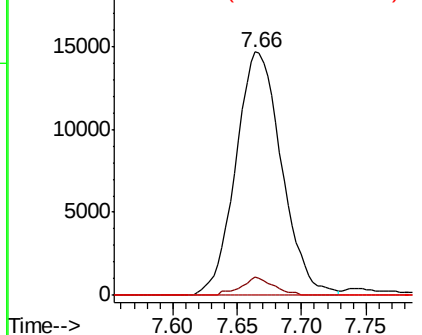
#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion:117 Resp: 36342
Ion Ratio Lower Upper
117 100
119 7.4 77.0 115.6#
121 0.0 23.8 35.8#

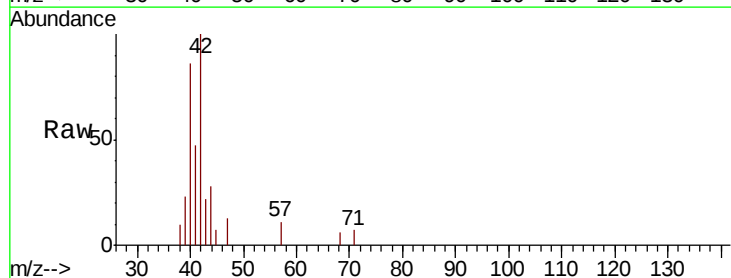


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

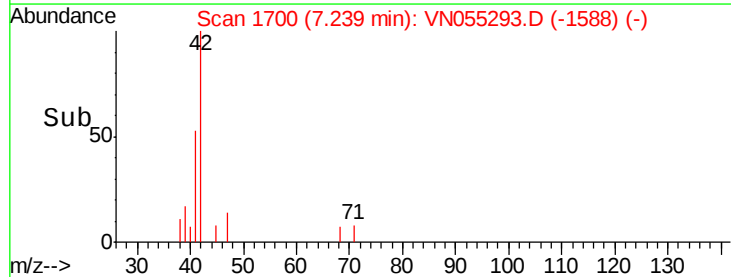
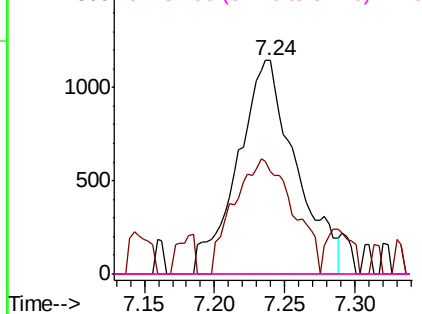


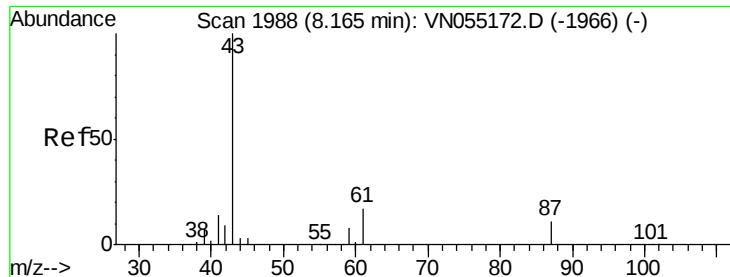
#41
Methacrylonitrile
Concen: 2.012 ug/l
RT: 7.24 min Scan# 1700
Delta R.T. 0.06 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 41 Resp: 3326
Ion Ratio Lower Upper
41 100
39 53.9 48.5 72.7
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 1.938 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

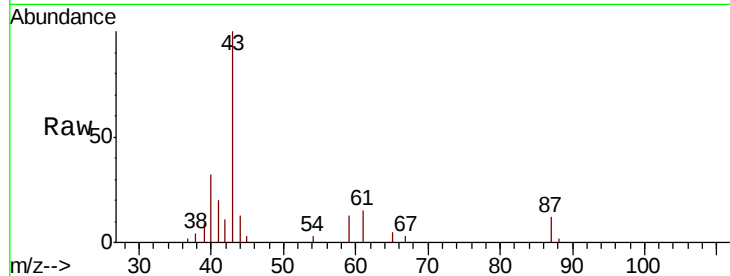
Tgt Ion: 43 Resp: 14825

Ion Ratio Lower Upper

43 100

61 19.5 20.8 31.2#

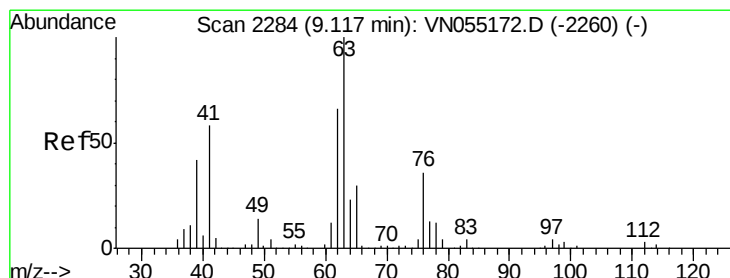
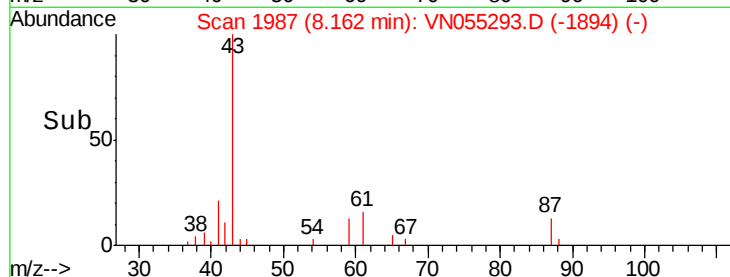
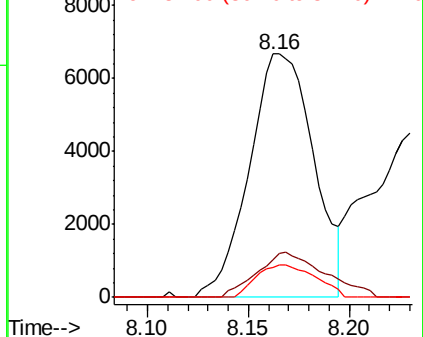
87 12.3 8.5 12.7



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: 0.288 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN055293.D

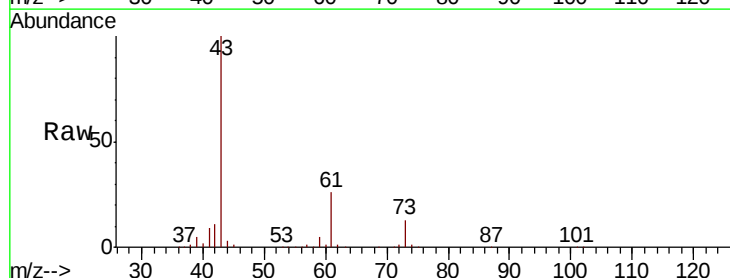
Acq: 29 Apr 2019 15:03

Tgt Ion: 63 Resp: 1523

Ion Ratio Lower Upper

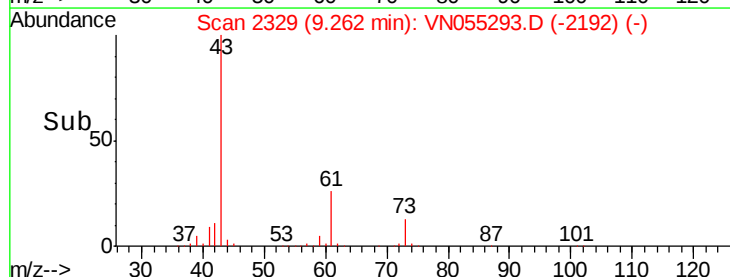
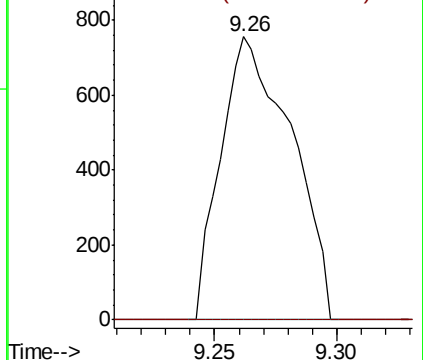
63 100

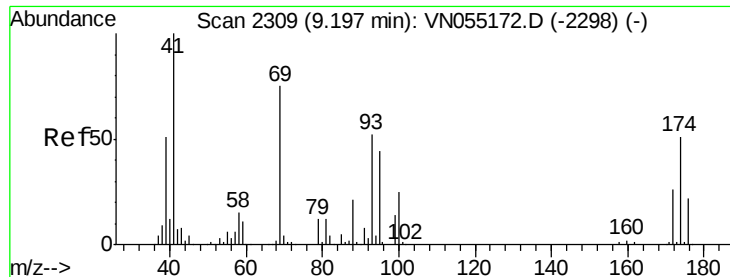
65 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

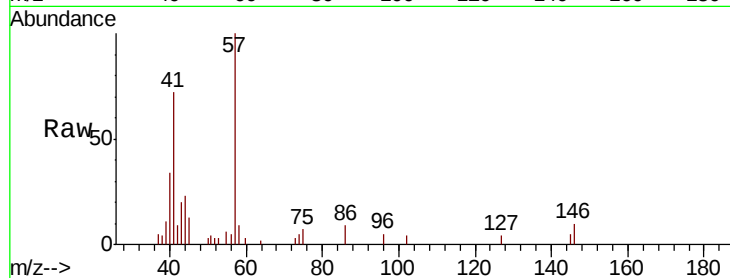




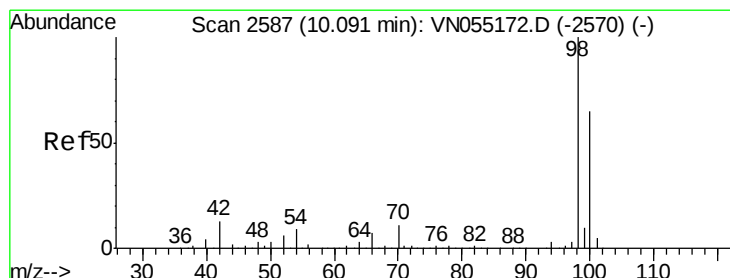
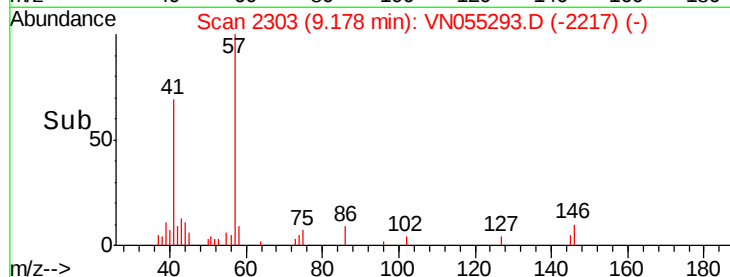
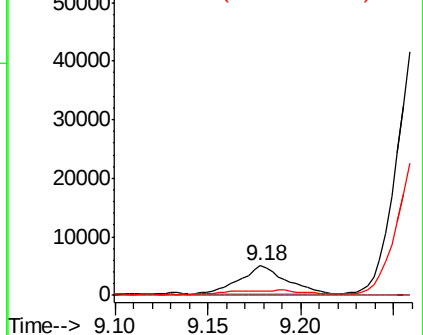
#48
Methyl methacrylate
Concen: 2.110 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion: 41 Resp: 7934
Ion Ratio Lower Upper
41 100
69 0.9 58.6 87.8#
39 0.0 43.8 65.6#

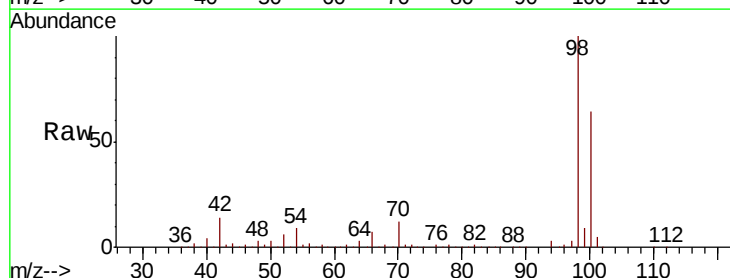


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

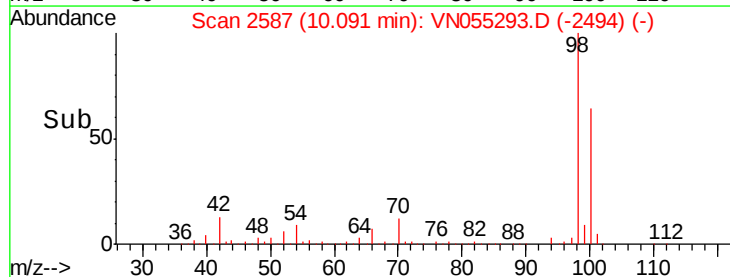
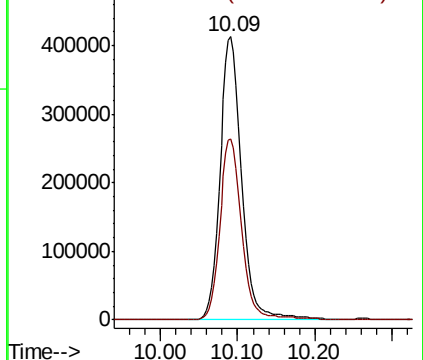


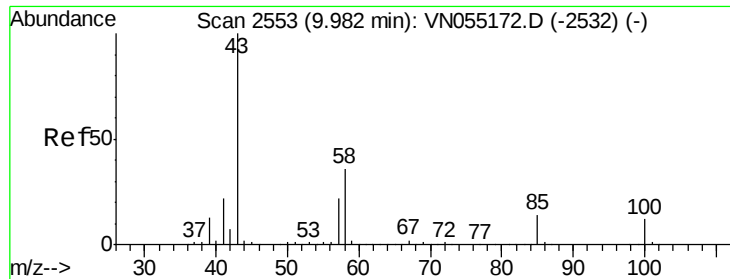
#50
Toluene-d8
Concen: 52.411 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 98 Resp: 805267
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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: 2.981 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

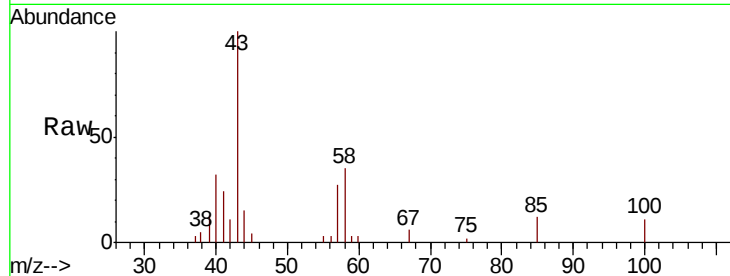
OIL-WATER-SEPARATOR-2(OWS-2

Tgt Ion: 43 Resp: 12838

Ion Ratio Lower Upper

43 100

58 33.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055293.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055293.D (-2532) (-)

15000

10000

5000

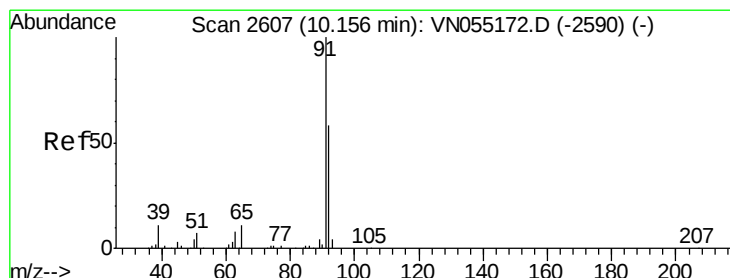
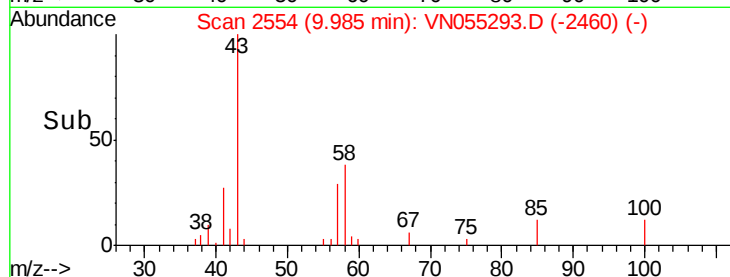
0

9.95

9.99

10.00

Time-->



#52

Toluene

Concen: 12.056 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055293.D

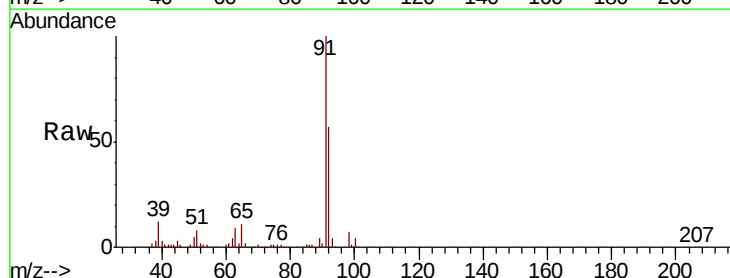
Acq: 29 Apr 2019 15:03

Tgt Ion: 92 Resp: 126620

Ion Ratio Lower Upper

92 100

91 179.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055293.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055293.D (-2514) (-)

100000

50000

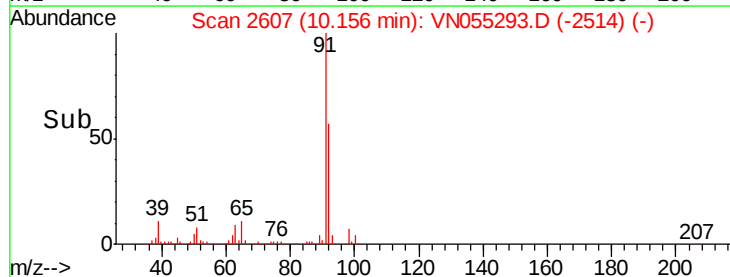
0

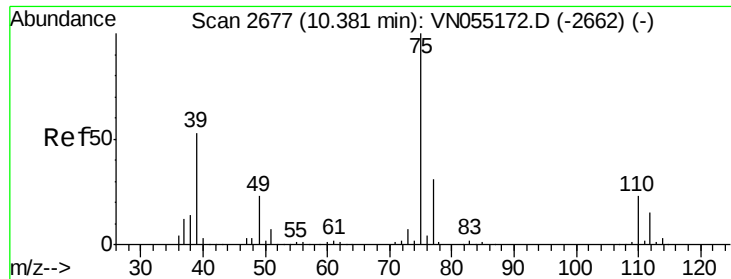
10.10

10.15

10.20

Time-->

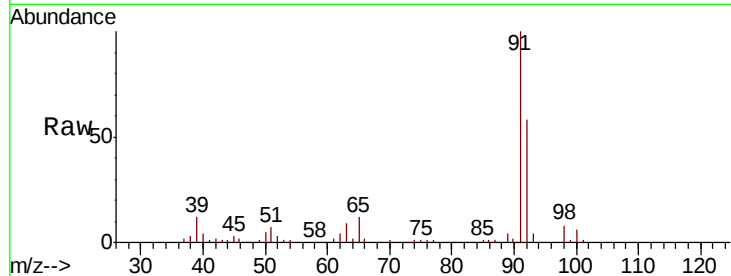




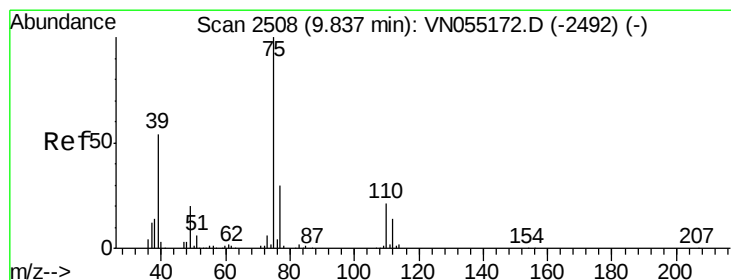
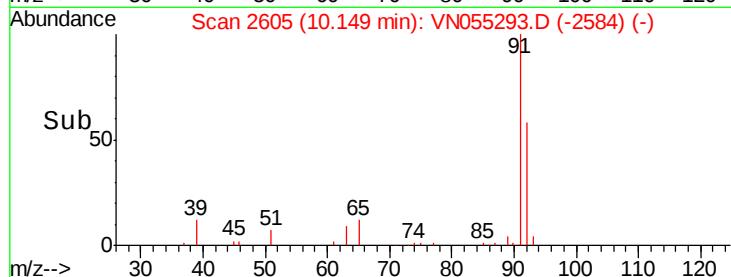
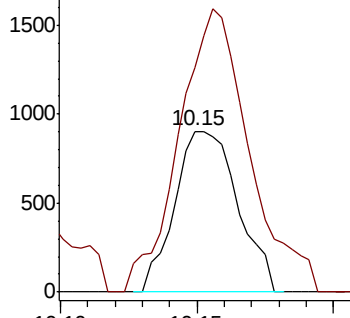
#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.23 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion: 75 Resp: 1450
Ion Ratio Lower Upper
75 100
77 121.1 24.4 36.6#

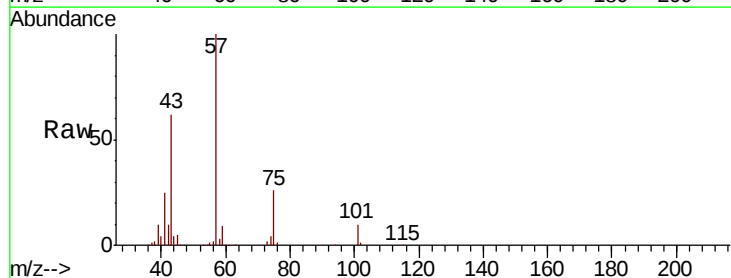


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0

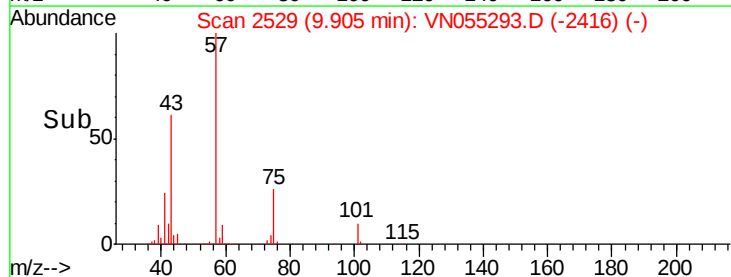
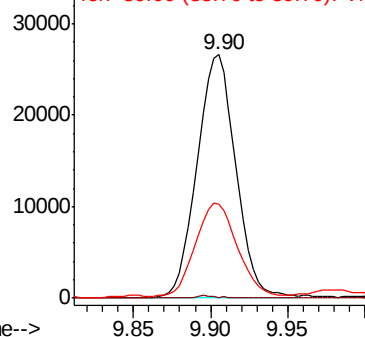


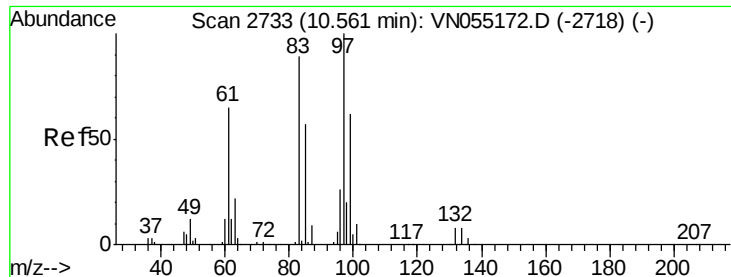
#54
cis-1,3-Dichloropropene
Concen: 6.926 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.06 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 75 Resp: 46410
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 37.6 44.2 66.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0

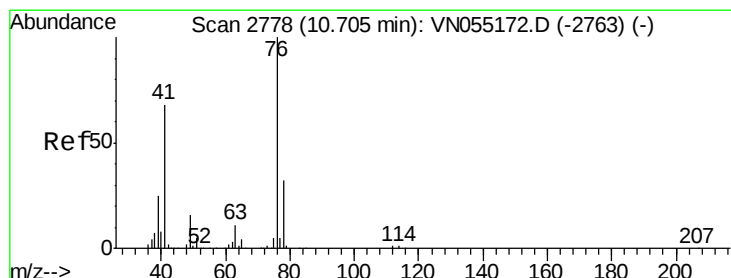
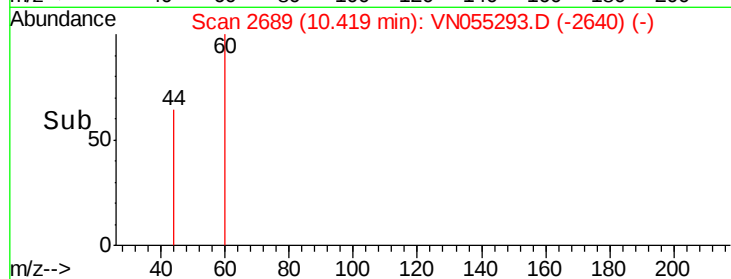
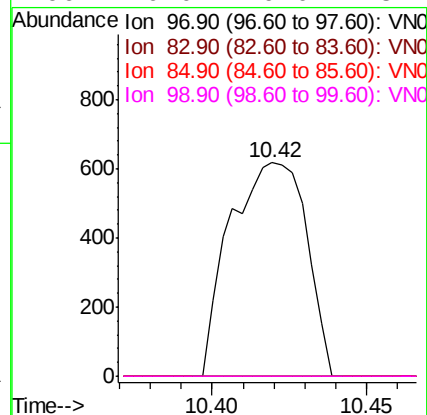
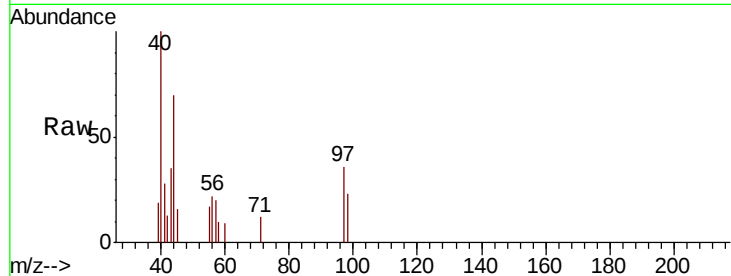




#55
 1,1,2-Trichloroethane
 Concen: 0.273 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.14 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

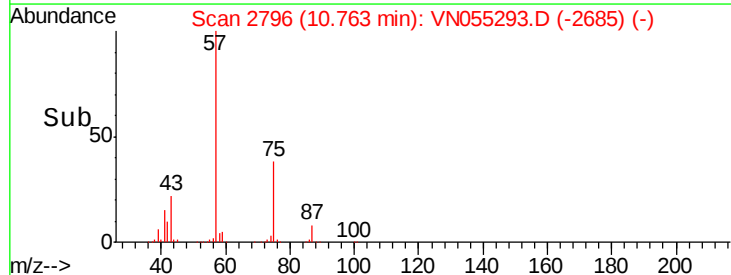
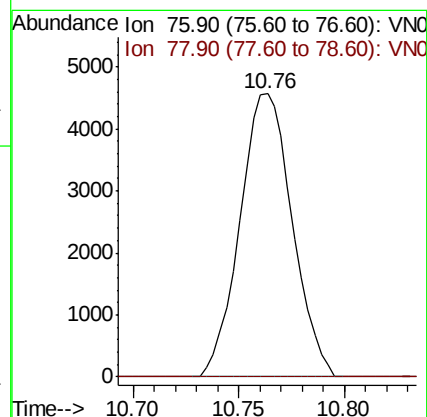
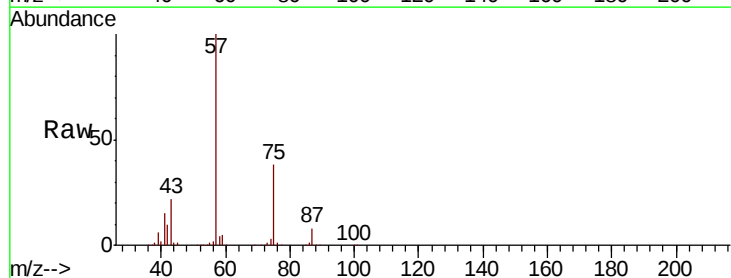
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

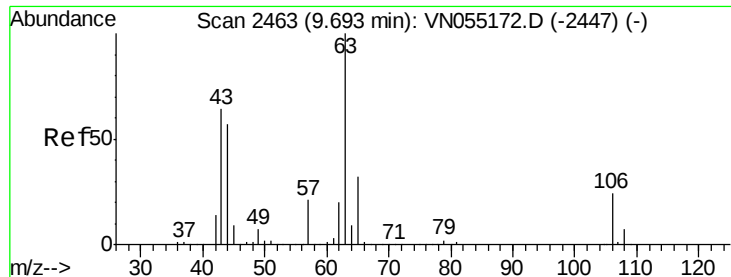
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.8	109.2#
85	0.0	47.0	70.6#
99	0.0	49.0	73.4#



#57
 1,3-Dichloropropane
 Concen: 1.150 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#

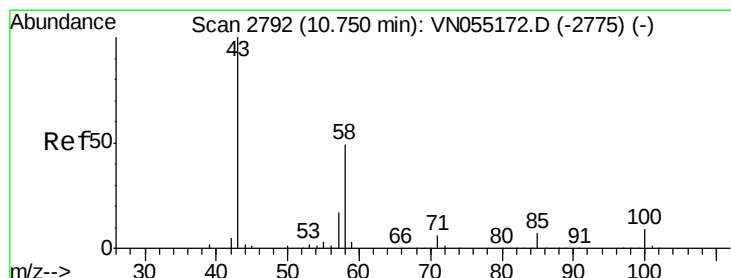
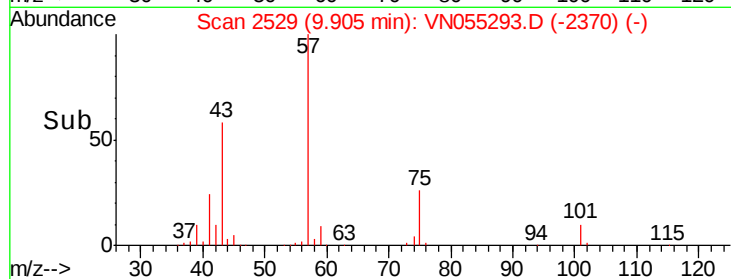
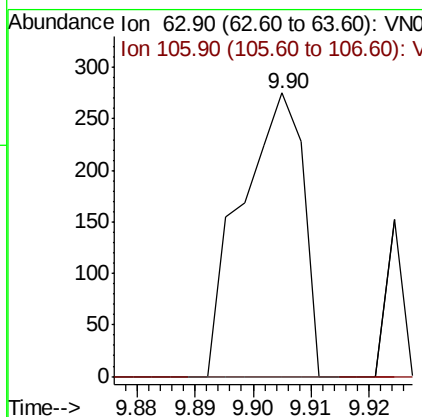
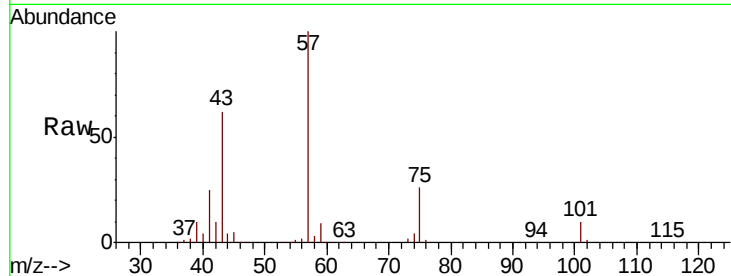




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.534 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.21 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

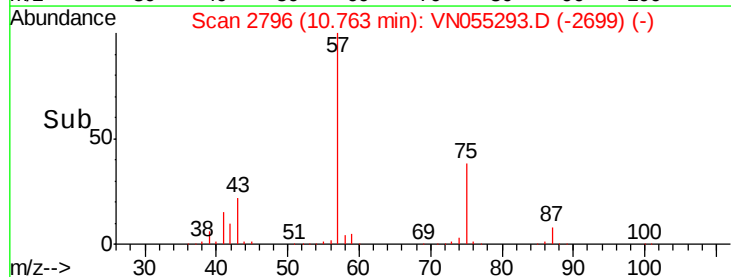
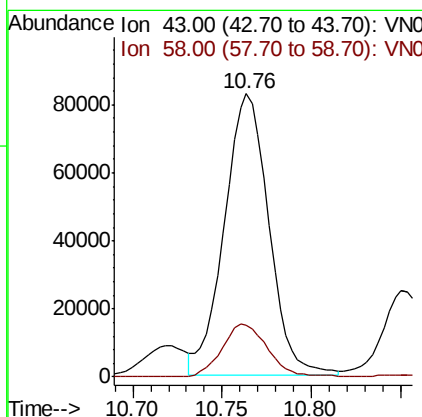
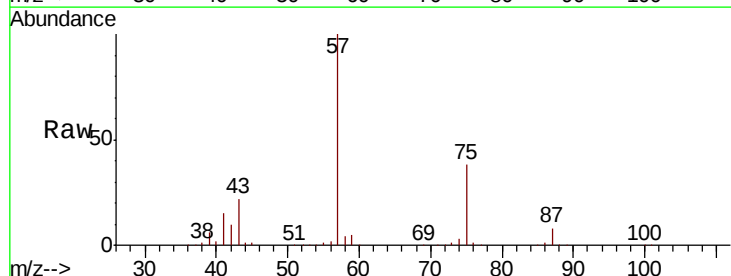
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

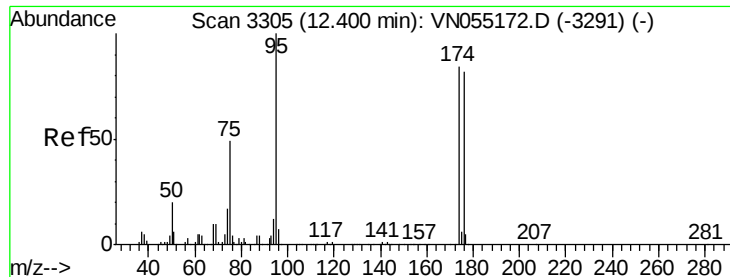
Tgt Ion: 63 Resp: 203
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#



#59
 2-Hexanone
 Concen: 53.553 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 144282
 Ion Ratio Lower Upper
 43 100
 58 19.3 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 52.837 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

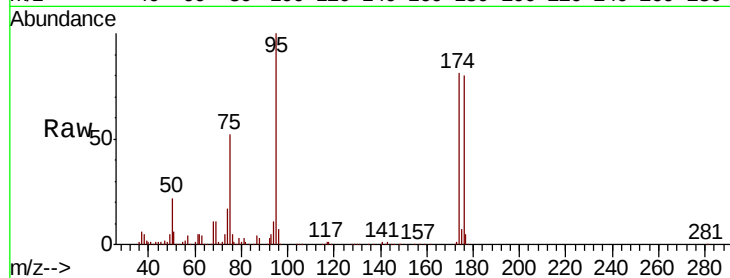
Tgt Ion: 95 Resp: 253724

Ion Ratio Lower Upper

95 100

174 82.8 0.0 166.6

176 80.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

200000

150000

100000

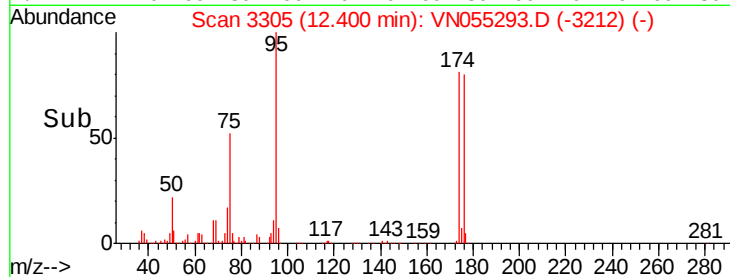
50000

0

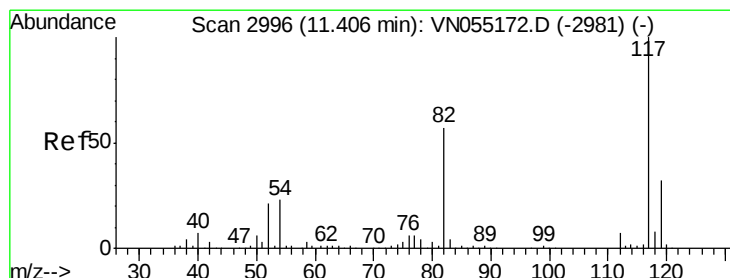
12.30

12.40

12.50



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

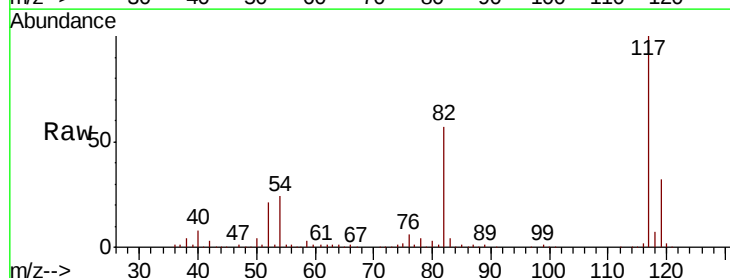
Tgt Ion: 117 Resp: 592737

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.4

119 31.8 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

400000

300000

200000

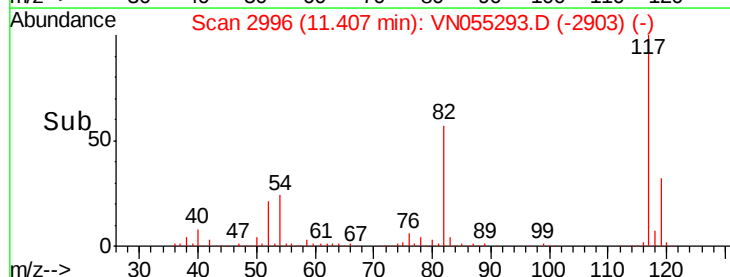
100000

0

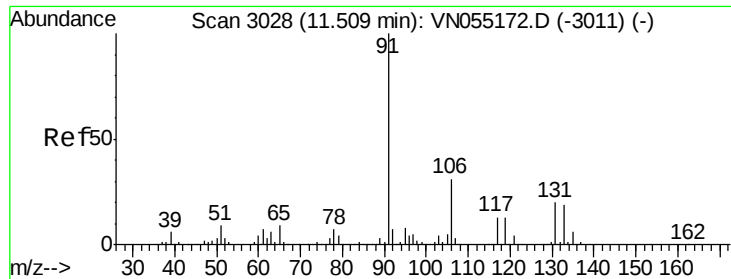
11.30

11.40

11.50



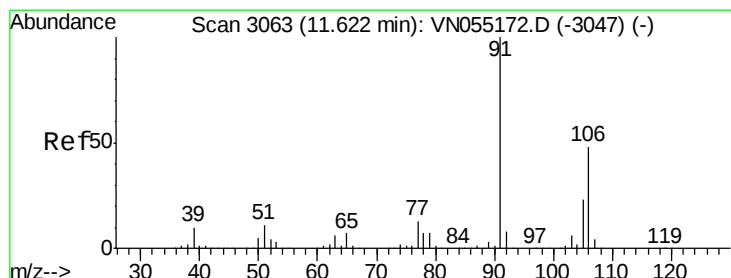
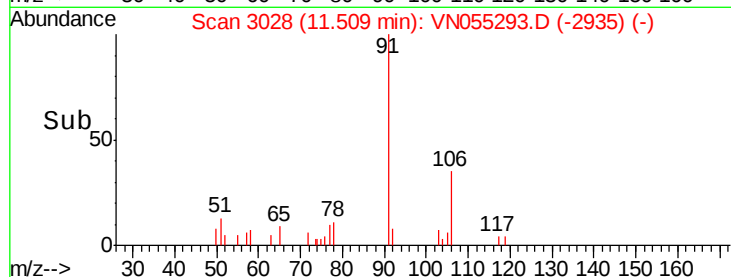
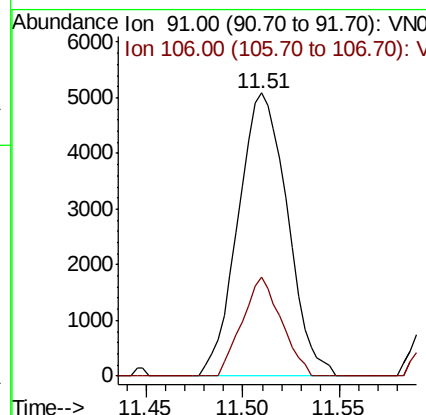
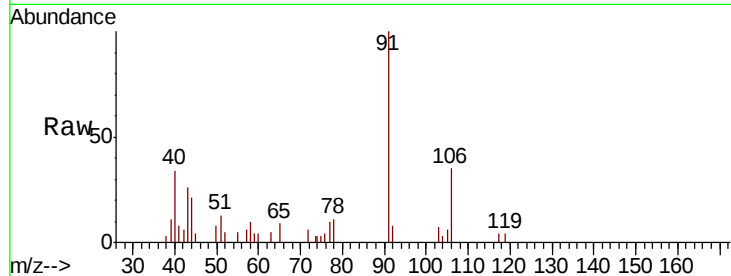
Time-->



#67
Ethyl Benzene
Concen: 0.430 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

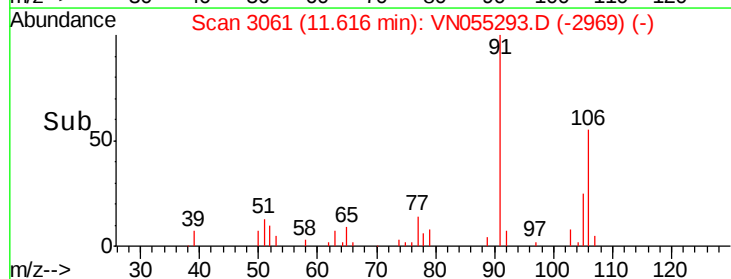
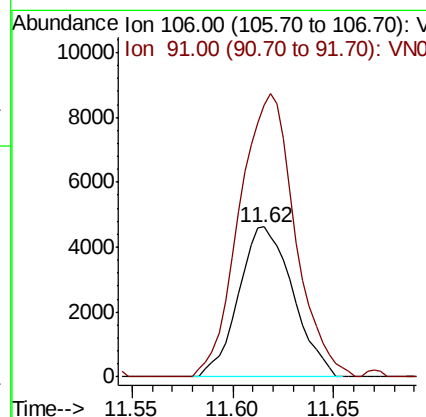
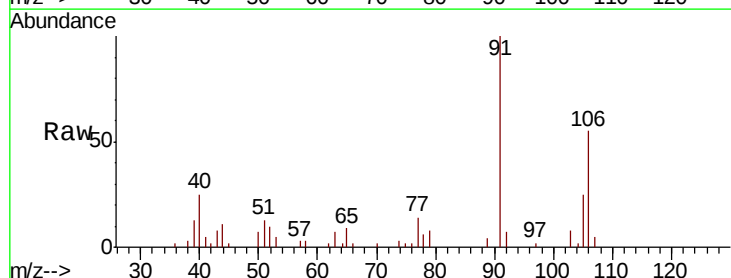
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

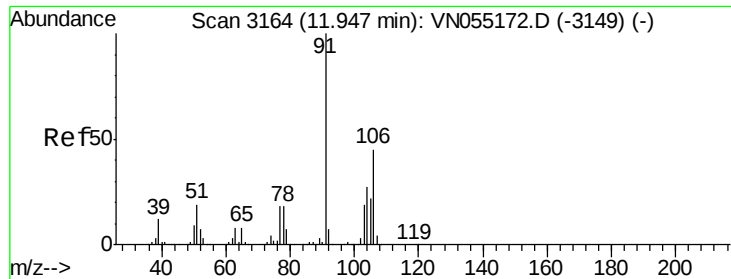
Tgt Ion: 91 Resp: 9009
Ion Ratio Lower Upper
91 100
106 34.8 24.6 36.8



#68
m/p-Xylenes
Concen: 1.162 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 106 Resp: 8681
Ion Ratio Lower Upper
106 100
91 194.1 169.5 254.3

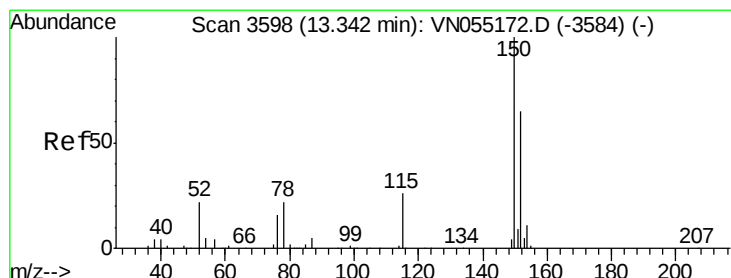
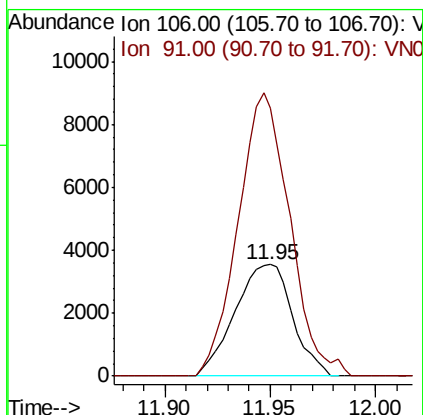
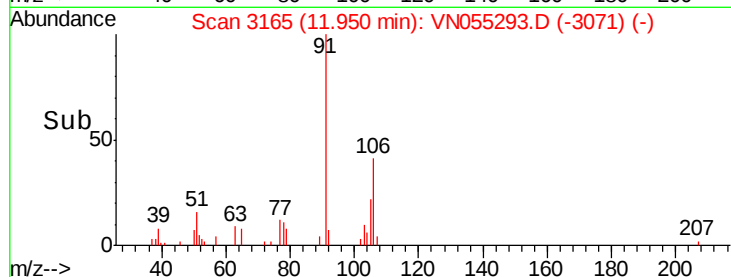
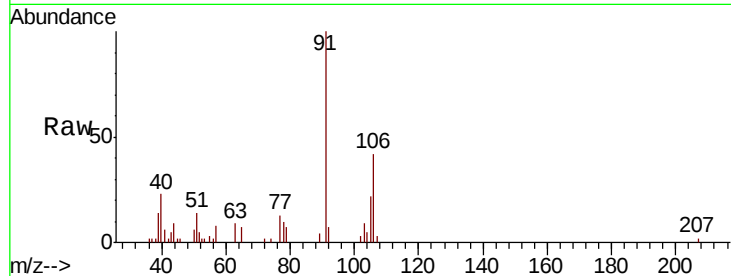




#69
o-Xylene
Concen: 0.909 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

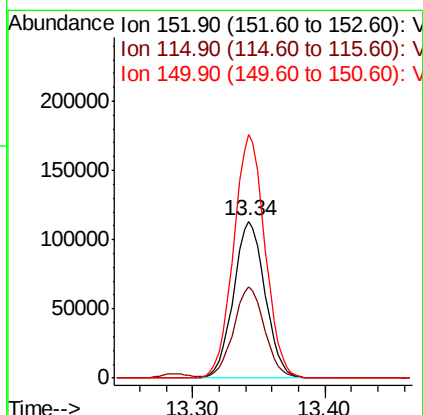
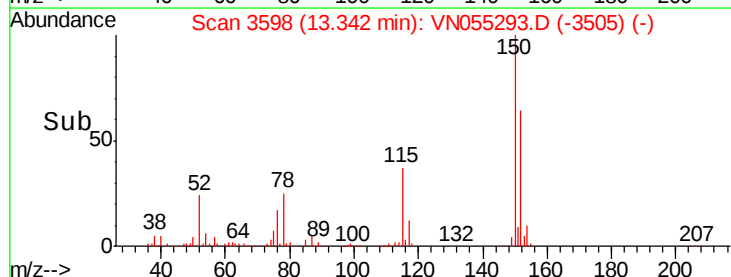
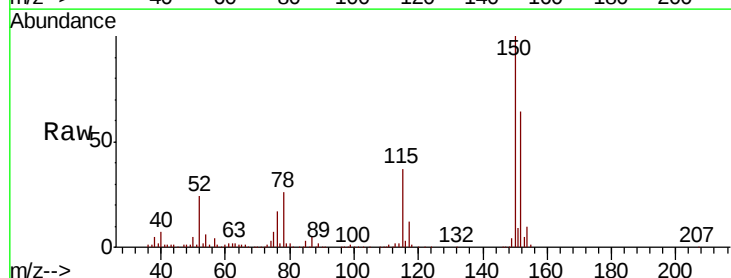
Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

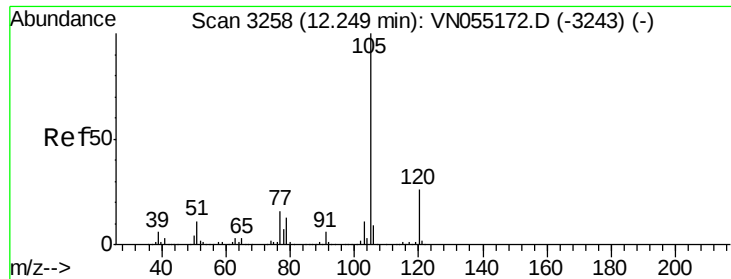
Tgt Ion:106 Resp: 6730
Ion Ratio Lower Upper
106 100
91 227.6 111.5 334.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion:152 Resp: 186808
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 154.6 0.0 345.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

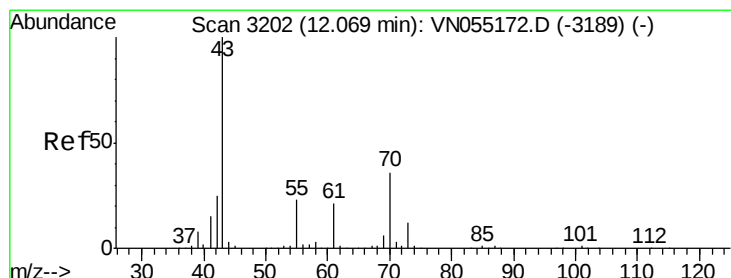
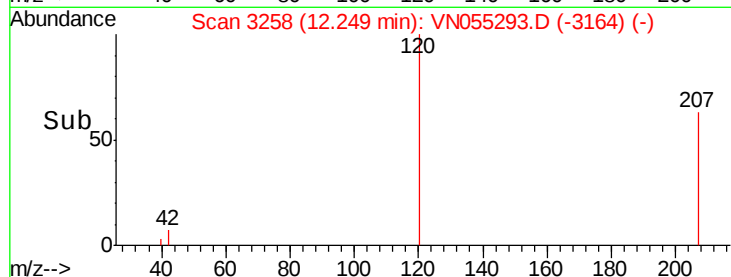
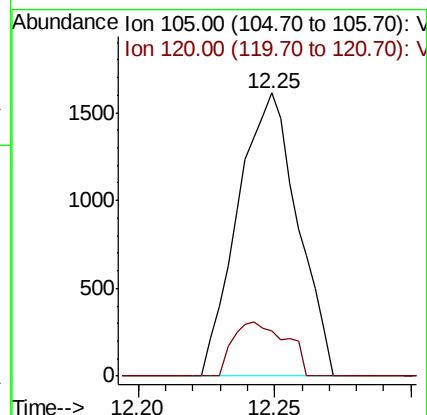
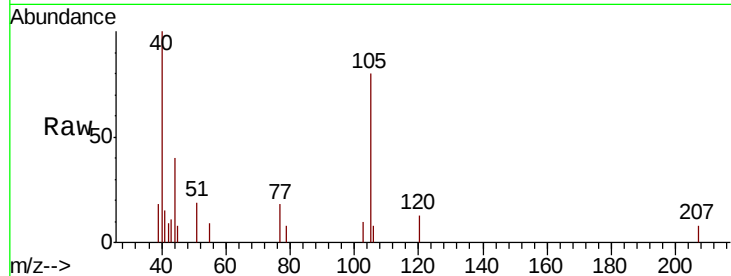
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion: 105 Resp: 2452

Ion Ratio Lower Upper

105 100

120 17.1 12.9 38.7



#74

N-amyl acetate

Concen: 0.491 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Tgt Ion: 43 Resp: 2355

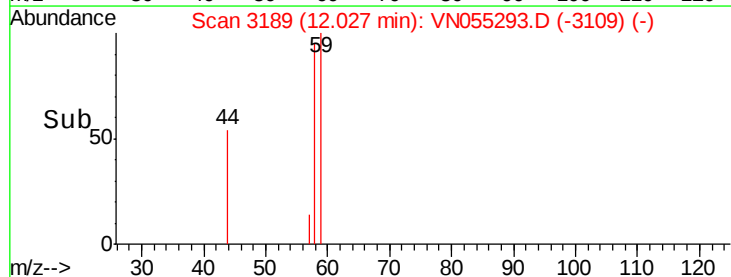
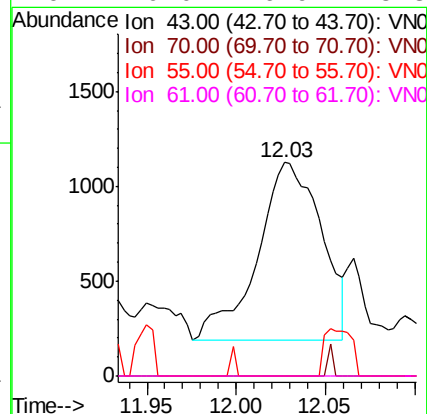
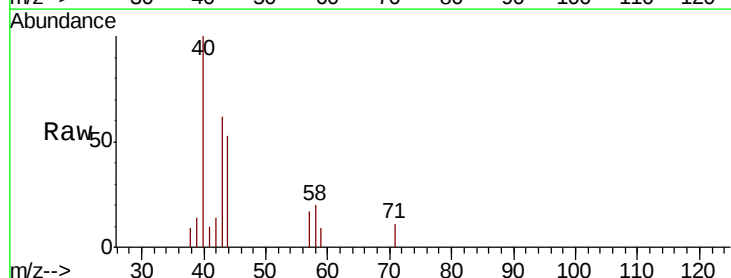
Ion Ratio Lower Upper

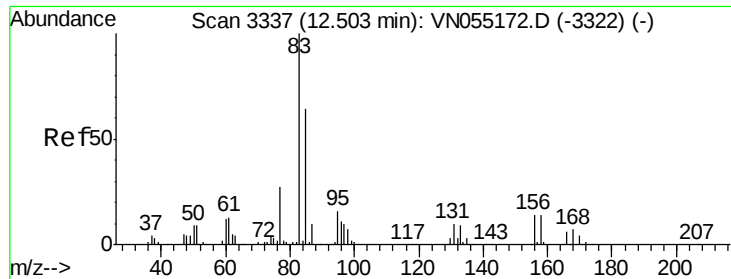
43 100

70 0.0 27.9 41.9#

55 0.0 18.2 27.2#

61 0.0 16.9 25.3#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.03 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

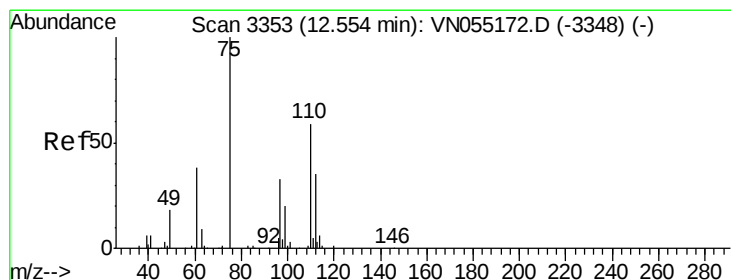
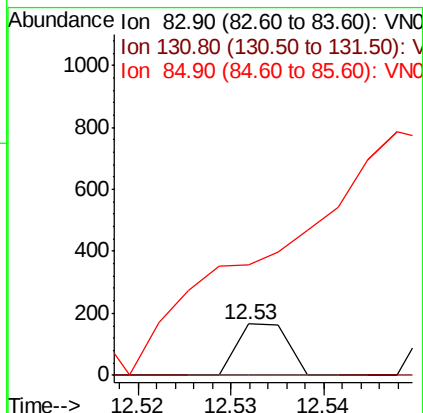
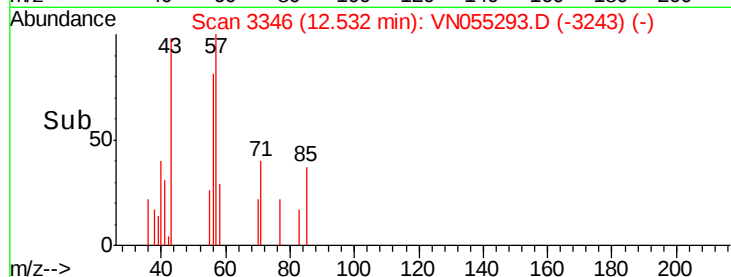
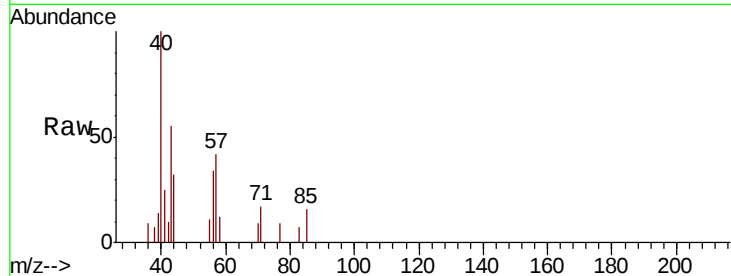
MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

Tgt Ion: 83 Resp: 63

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.2#
85	0.0	32.3	96.8#



#76

1,2,3-Trichloropropane

Concen: 36.973 ug/l

RT: 12.40 min Scan# 3305

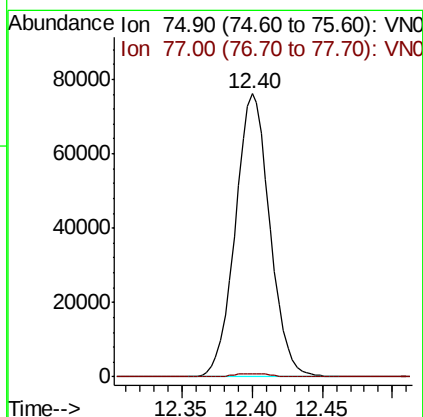
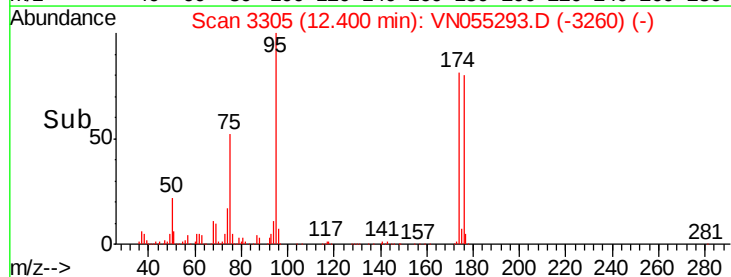
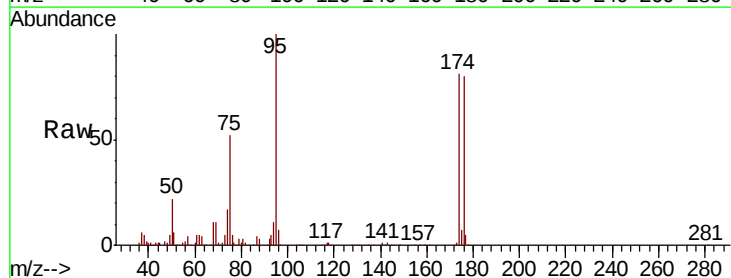
Delta R.T. -0.15 min

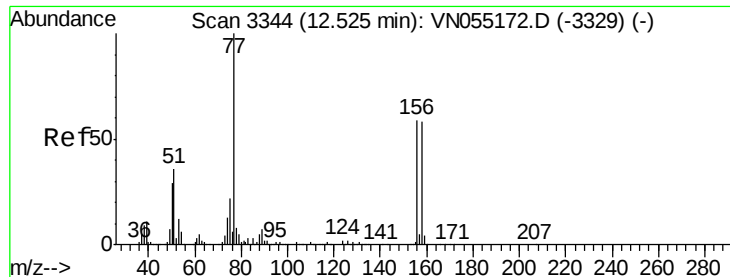
Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Tgt Ion: 75 Resp: 130660

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.12 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

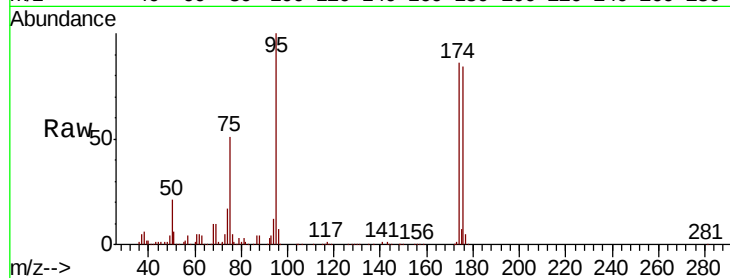
Tgt Ion:156 Resp: 96

Ion Ratio Lower Upper

156 100

77 1831.3 99.6 298.8#

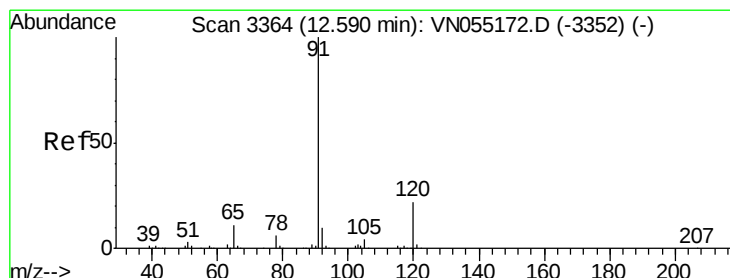
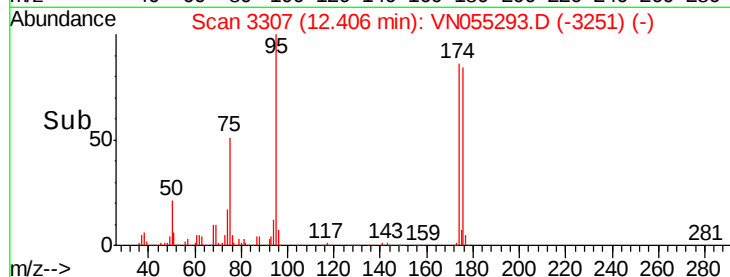
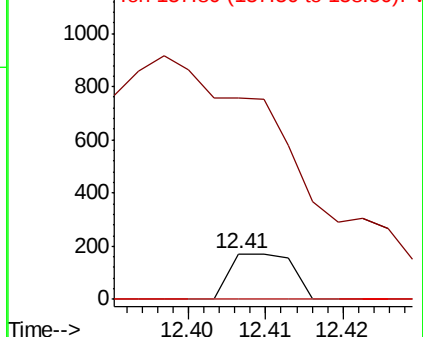
158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.299 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055293.D

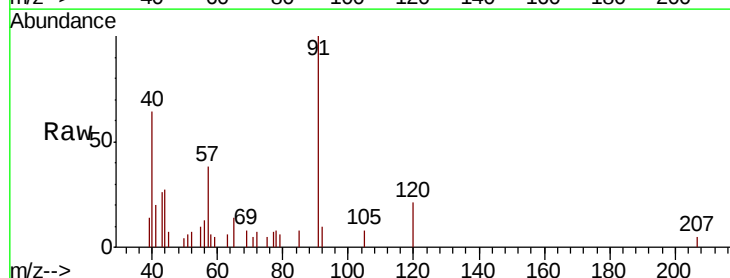
Acq: 29 Apr 2019 15:03

Tgt Ion: 91 Resp: 5738

Ion Ratio Lower Upper

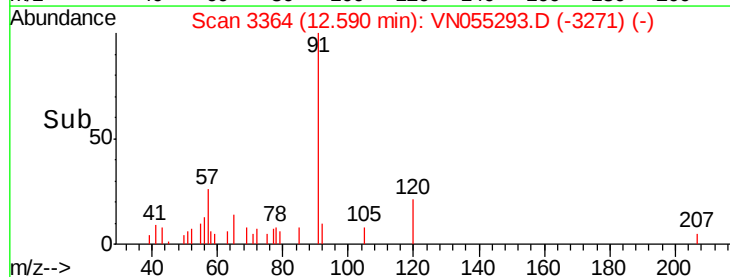
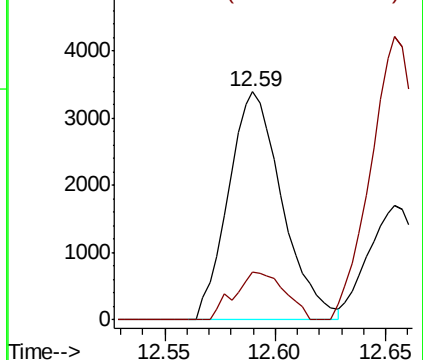
91 100

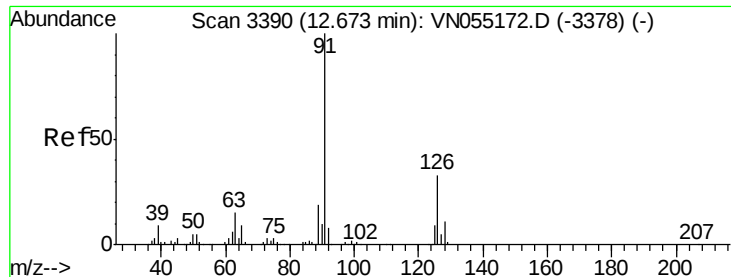
120 19.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

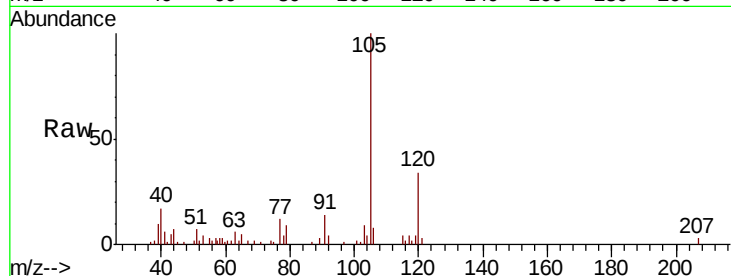
OIL-WATER-SEPARATOR-2(OWS-2

Tgt Ion: 91 Resp: 3516

Ion Ratio Lower Upper

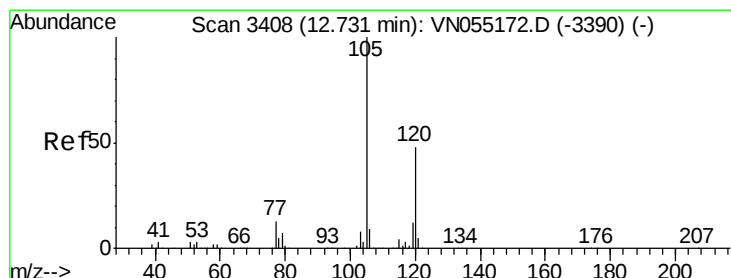
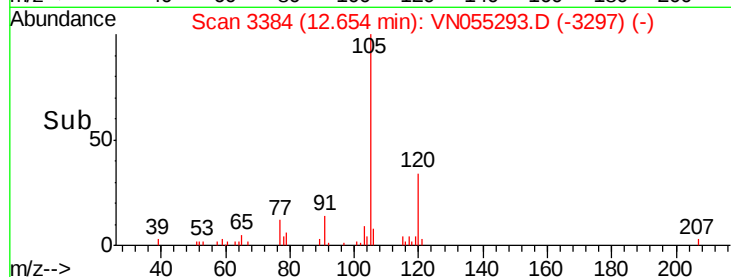
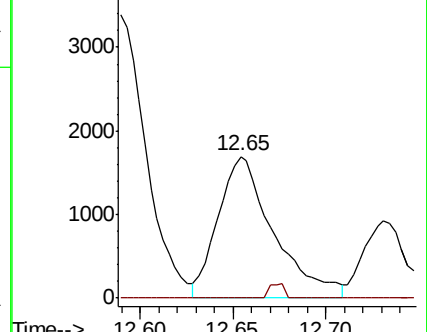
91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.798 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055293.D

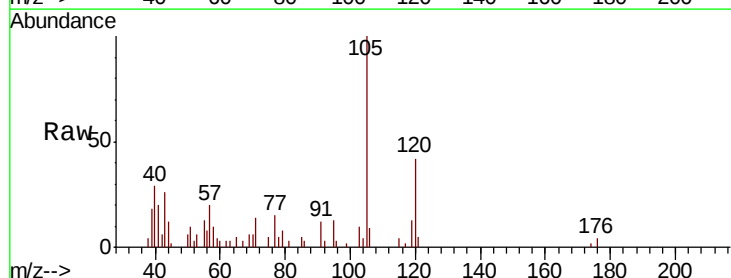
Acq: 29 Apr 2019 15:03

Tgt Ion: 105 Resp: 11686

Ion Ratio Lower Upper

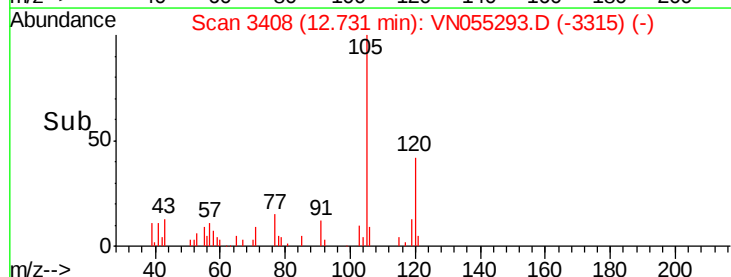
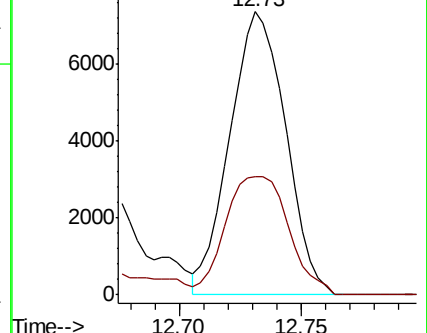
105 100

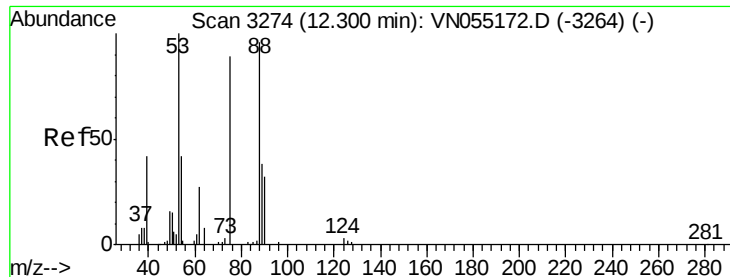
120 47.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 132.548 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2)

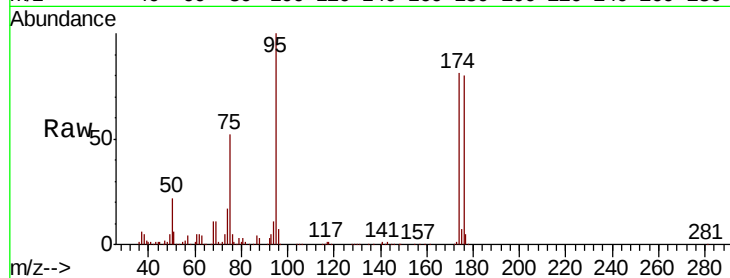
Tgt Ion: 75 Resp: 130660

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

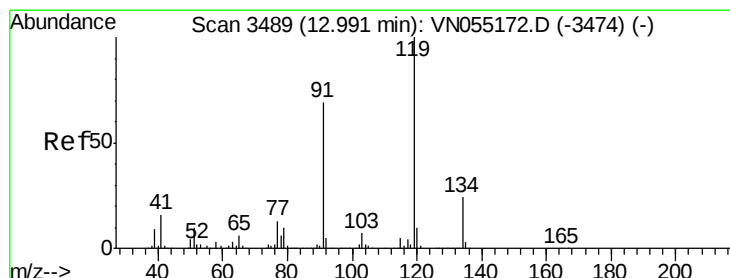
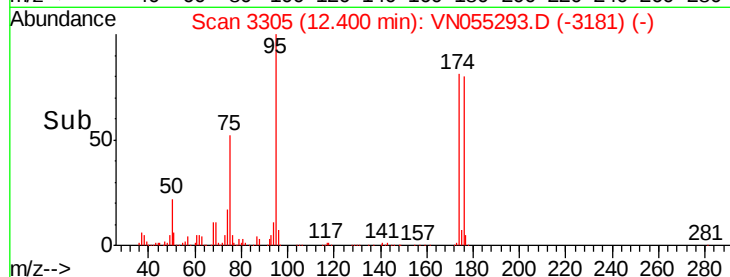
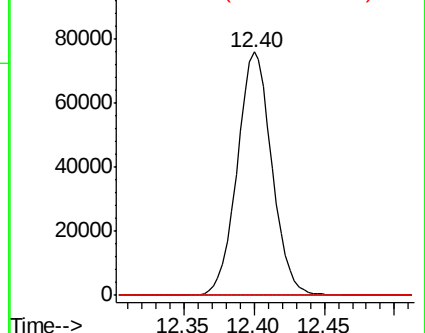
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055172.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055172.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.23 min Scan# 3563

Delta R.T. 0.24 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

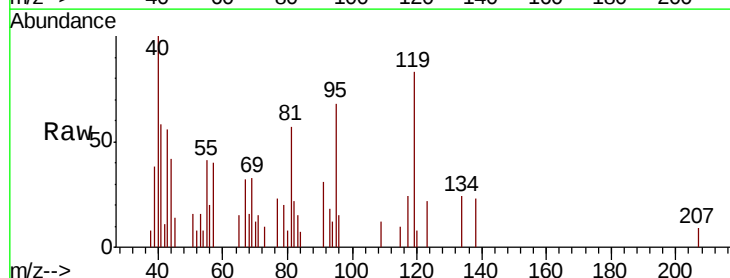
Tgt Ion: 119 Resp: 2741

Ion Ratio Lower Upper

119 100

91 48.4 34.3 102.9

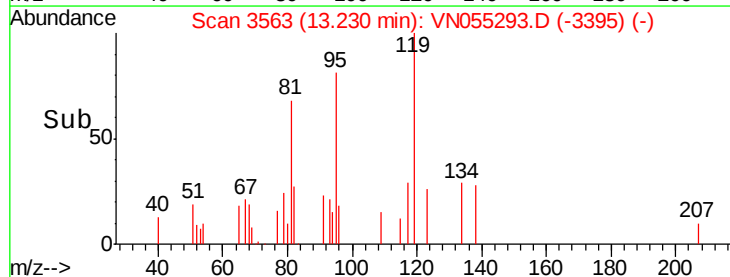
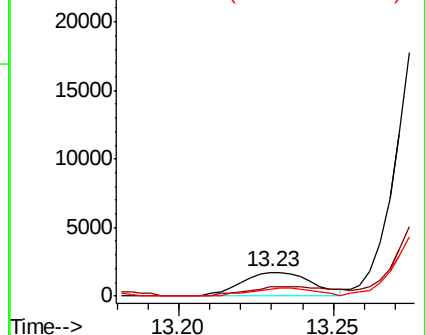
134 29.1 13.1 39.3

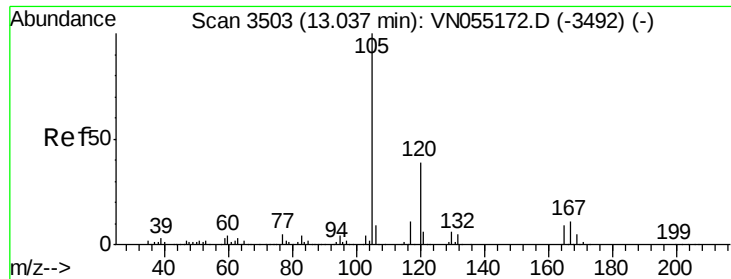


Abundance Ion 119.00 (118.70 to 119.70): VN055172.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055172.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055172.D (-3474) (-)





#84

1,2,4-Trimethylbenzene

Concen: 3.237 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

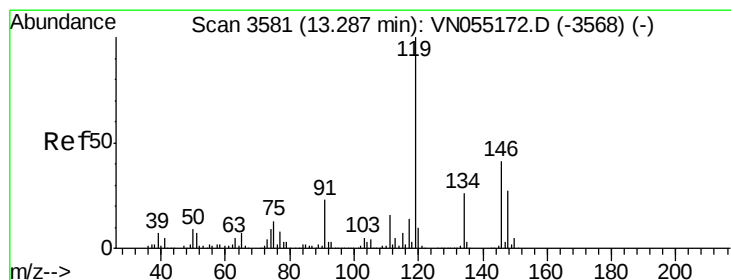
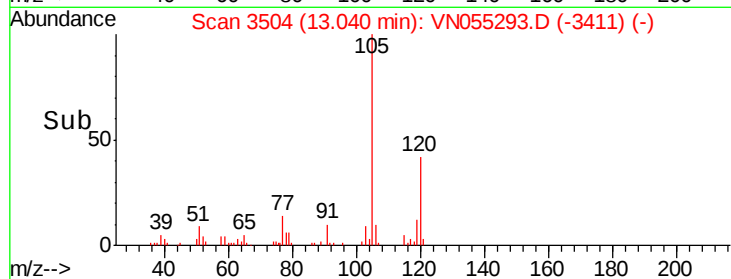
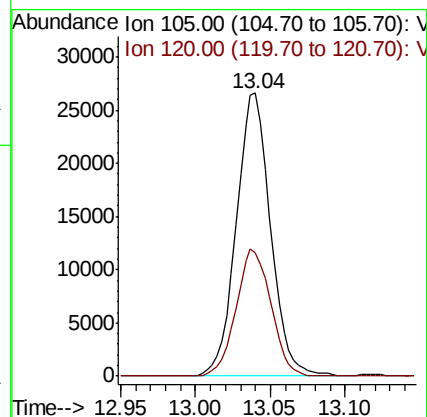
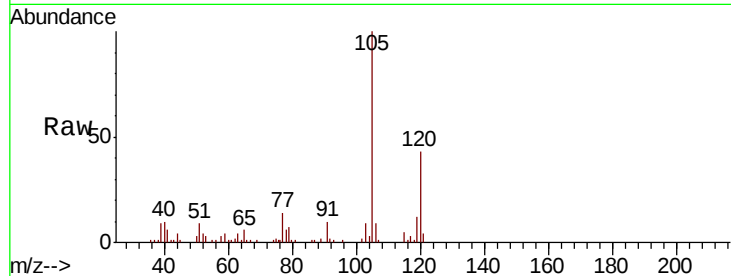
OIL-WATER-SEPERATOR-2(OWS-2

Tgt Ion:105 Resp: 42399

Ion Ratio Lower Upper

105 100

120 45.4 22.1 66.5



#86

p-Isopropyltoluene

Concen: 4.565 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

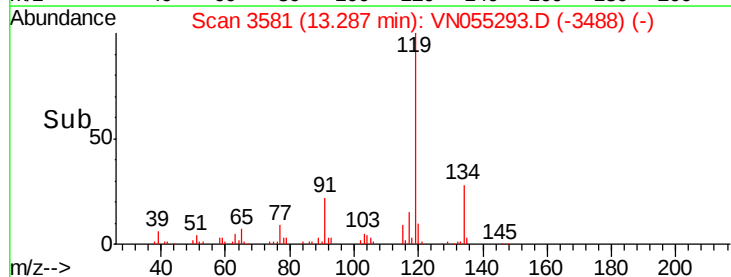
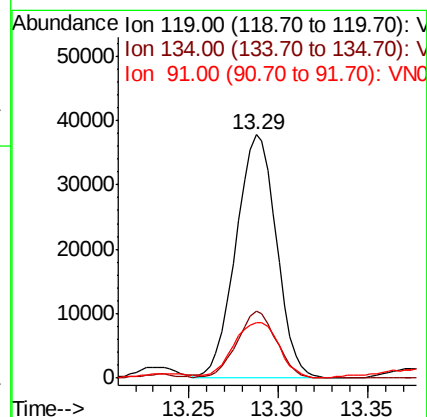
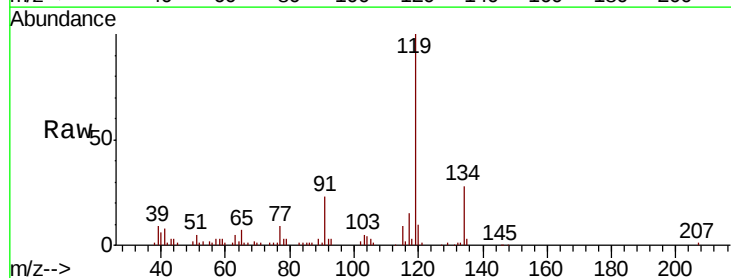
Tgt Ion:119 Resp: 59720

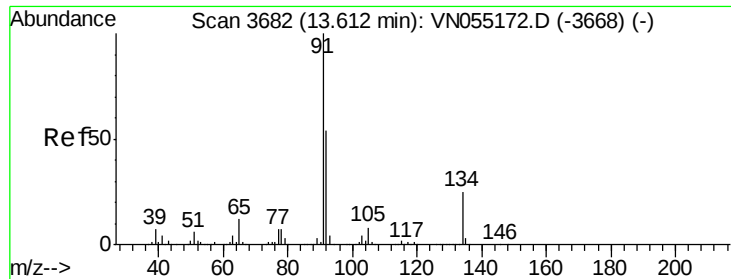
Ion Ratio Lower Upper

119 100

134 26.8 13.0 38.9

91 25.7 12.2 36.6

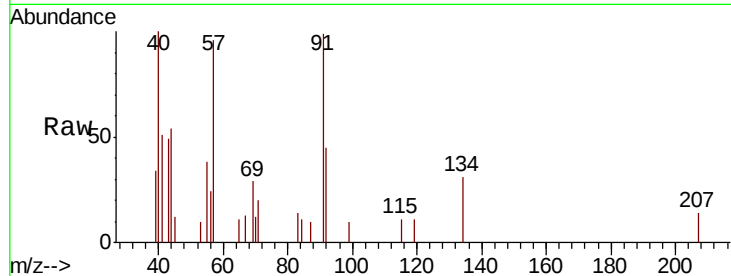




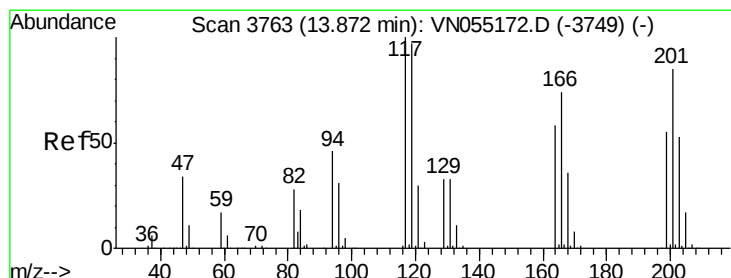
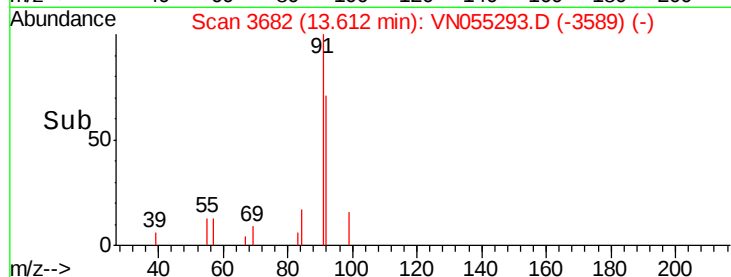
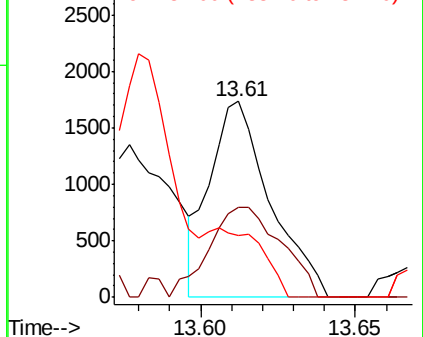
#89
n-Butylbenzene
Concen: 0.253 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Instrument :
MSVOA_N
ClientSampleId :
OIL-WATER-SEPARATOR-2(OWS-2)

Tgt Ion: 91 Resp: 2349
Ion Ratio Lower Upper
91 100
92 55.0 26.1 78.3
134 0.0 12.4 37.4#

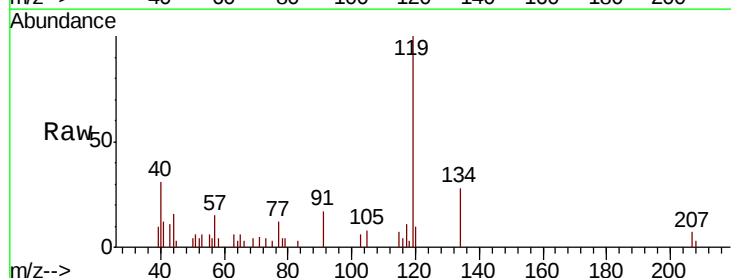


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

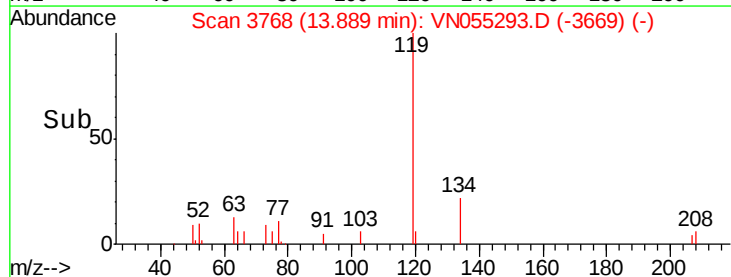
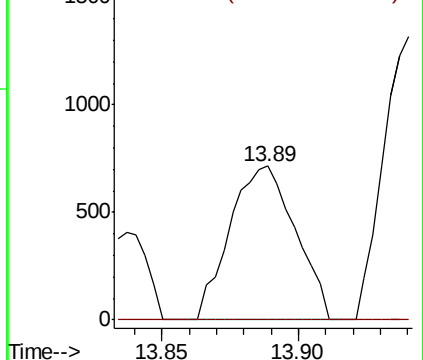


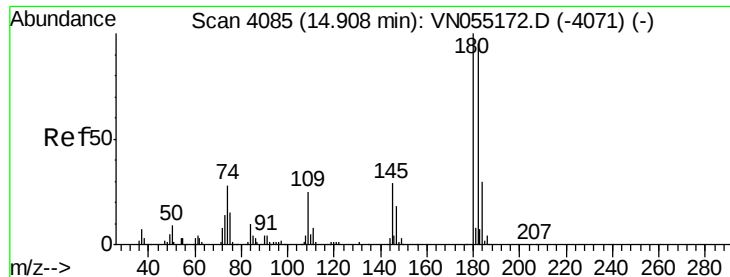
#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN055293.D
Acq: 29 Apr 2019 15:03

Tgt Ion: 117 Resp: 1191
Ion Ratio Lower Upper
117 100
201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

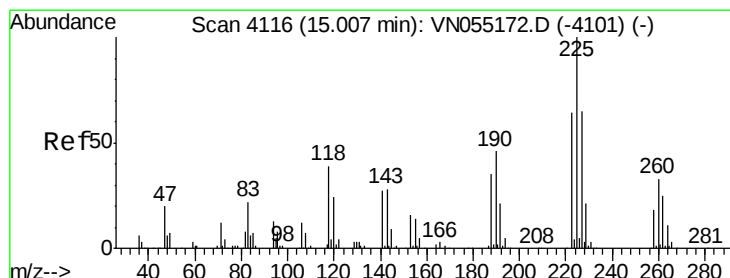
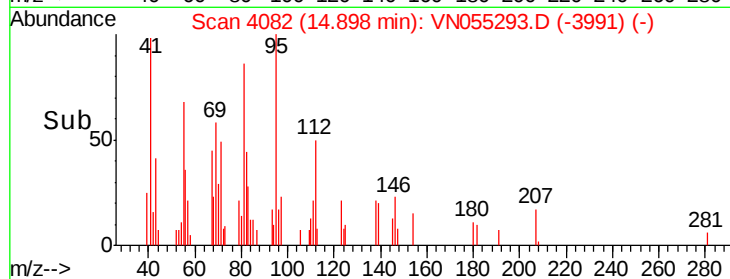
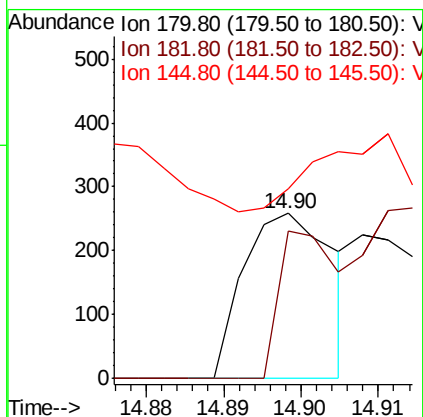
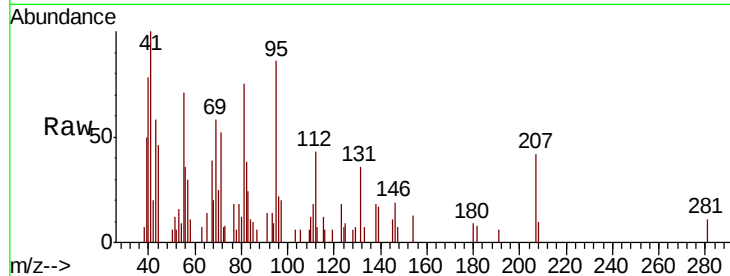




#93
 1,2,4-Trichlorobenzene
 Concen: 3.390 ug/l
 RT: 14.90 min Scan# 4082
 Delta R.T. -0.01 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

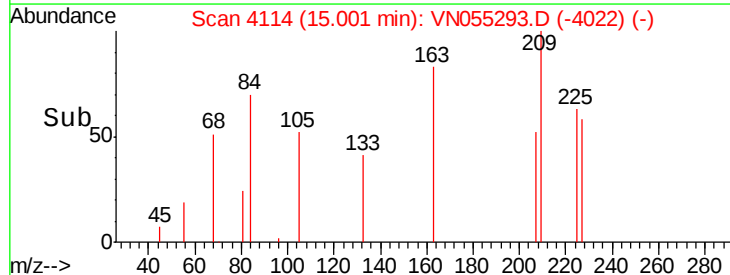
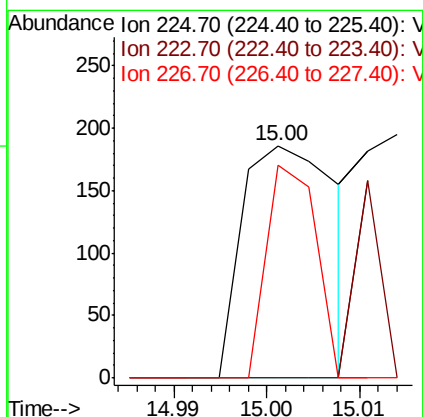
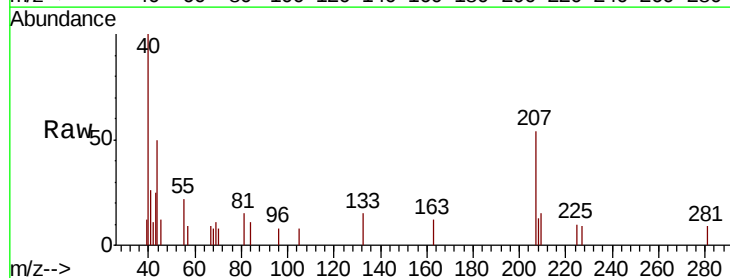
Instrument :
 MSVOA_N
 ClientSampleId :
 OIL-WATER-SEPARATOR-2(OWS-2)

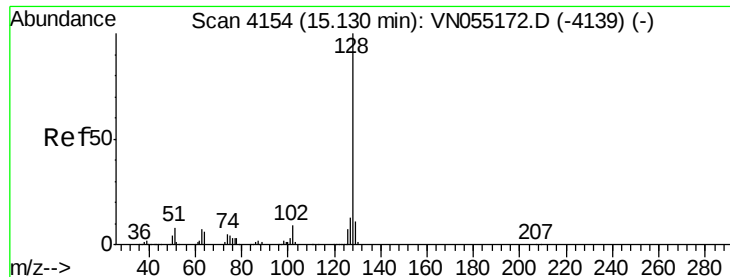
Tgt Ion:180 Resp: 207
 Ion Ratio Lower Upper
 180 100
 182 57.5 48.3 144.9
 145 0.0 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN055293.D
 Acq: 29 Apr 2019 15:03

Tgt Ion:225 Resp: 132
 Ion Ratio Lower Upper
 225 100
 223 22.7 30.3 90.8#
 227 47.0 30.9 92.7





#95

Naphthalene

Concen: 4.361 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

Instrument :

MSVOA_N

ClientSampleId :

OIL-WATER-SEPARATOR-2(OWS-2

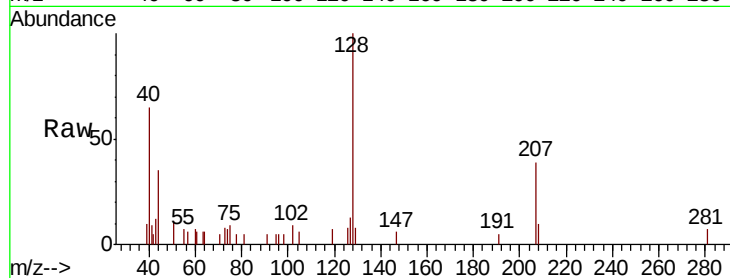
Tgt Ion:128 Resp: 5742

Ion Ratio Lower Upper

128 100

127 8.0 10.7 16.1#

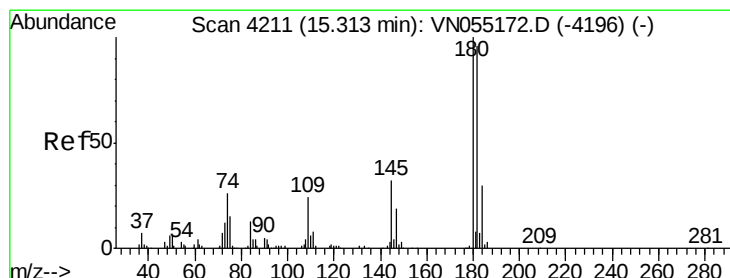
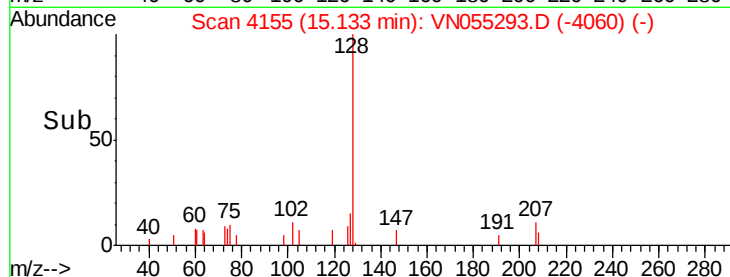
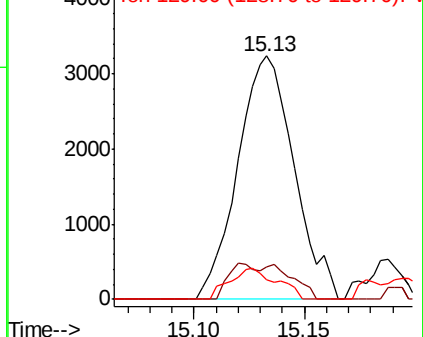
129 10.7 8.6 13.0



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: 2.671 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN055293.D

Acq: 29 Apr 2019 15:03

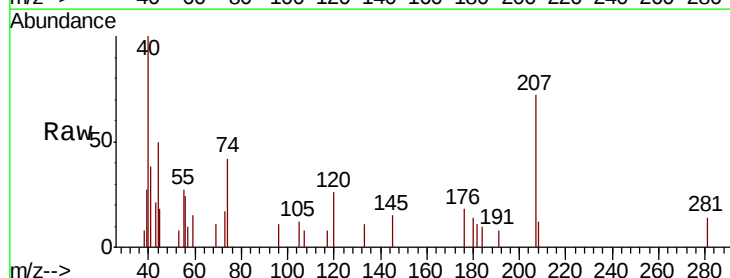
Tgt Ion:180 Resp: 148

Ion Ratio Lower Upper

180 100

182 202.7 48.3 144.9#

145 0.0 15.2 45.6#



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

