

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054378.D
 Acq On : 17 Mar 2019 11:02
 Operator : JC/SP
 Sample : K1940-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OWS

Quant Time: Mar 18 05:11:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1764568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2598655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2225592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	947867	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	884935	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	7.59	113	788057	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
50) Toluene-d8	10.09	98	2989685	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	953145	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	3230	0.287	ug/l	90
10) Methyl Iodide	3.95	142	70	1.500	ug/l #	1
13) Acrolein	3.61	56	2330	1.914	ug/l	88
16) Acetone	3.82	43	157840	29.417	ug/l	100
17) Carbon Disulfide	4.04	76	13593	0.296	ug/l	99
18) Methyl Acetate	4.33	43	7010	0.646	ug/l #	87
20) Methylene Chloride	4.54	84	90436	5.133	ug/l	95
25) 2-Butanone	6.85	43	45952	7.297	ug/l	94
29) Tetrahydrofuran	7.24	42	4278	1.057	ug/l #	48
30) Chloroform	7.38	83	40743	1.295	ug/l	98
31) Cyclohexane	7.66	56	28226	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	106906	4.467	ug/l #	48
37) Ethyl Acetate	6.85	43	45952	3.342	ug/l #	68
38) Carbon Tetrachloride	7.66	117	148779	5.928	ug/l #	16
39) Methylcyclohexane	9.08	83	13858	0.471	ug/l	95
43) Isopropyl Acetate	8.17	43	24254	1.005	ug/l #	94
48) Methyl methacrylate	9.17	41	74771	6.104	ug/l #	35
49) 1,4-Dioxane	9.25	88	35	0.202	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	16894	1.323	ug/l #	63
52) Toluene	10.16	92	22446	0.517	ug/l	92
53) t-1,3-Dichloropropene	10.29	75	141	1.991	ug/l #	64
54) cis-1,3-Dichloropropene	9.90	75	108175	4.030	ug/l #	62
55) 1,1,2-Trichloroethane	10.53	97	13142	0.829	ug/l #	19
57) 1,3-Dichloropropane	10.77	76	21633	0.834	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.73	63	67	16.836	ug/l #	44
59) 2-Hexanone	10.77	43	297208	34.969	ug/l #	52
67) Ethyl Benzene	11.51	91	344374	4.251	ug/l	100
68) m/p-Xylenes	11.62	106	645519	20.388	ug/l	99
69) o-Xylene	11.95	106	499079	16.170	ug/l	99
70) Styrene	11.95	104	26630	0.550	ug/l #	1
71) Bromoform	12.40	173	6060	2.777	ug/l #	1
73) Isopropylbenzene	12.25	105	41846	0.552	ug/l	93
74) N-amyl acetate	12.04	43	39182	2.328	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	10598	0.656	ug/l #	1

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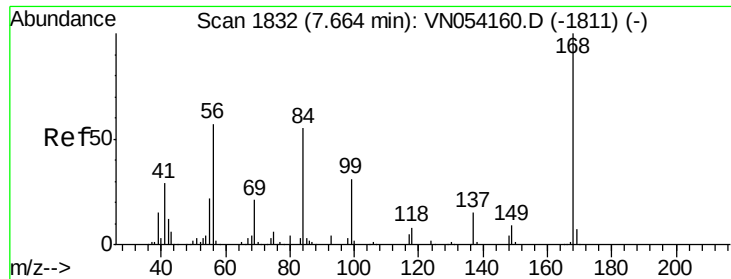
Instrument :
 MSVOA_N
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.40	75	454876	32.634	ug/l #	100
78) n-propylbenzene	12.59	91	68958	0.838	ug/l	100
79) 2-Chlorotoluene	12.65	91	20373	0.412	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	111792	1.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	454876	111.557	ug/l #	11
83) tert-Butylbenzene	13.04	119	42192	0.727	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	335734	5.425	ug/l	99
85) sec-Butylbenzene	13.17	105	60970	0.810	ug/l	90
86) p-Isopropyltoluene	13.29	119	538046	8.145	ug/l	99
89) n-Butylbenzene	13.61	91	94530	1.883	ug/l #	67
90) Hexachloroethane	13.89	117	16610	1.519	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	664	0.266	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	847	2.557	ug/l #	1
95) Naphthalene	15.13	128	240064	8.843	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.33	180	6910	0.393	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

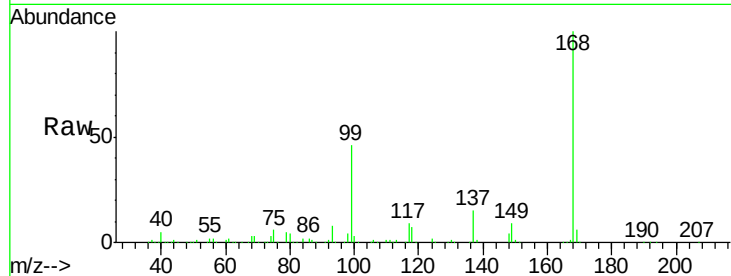
OVS

Tot Ion:168 Resp: 1764568

Ion Ratio Lower Upper

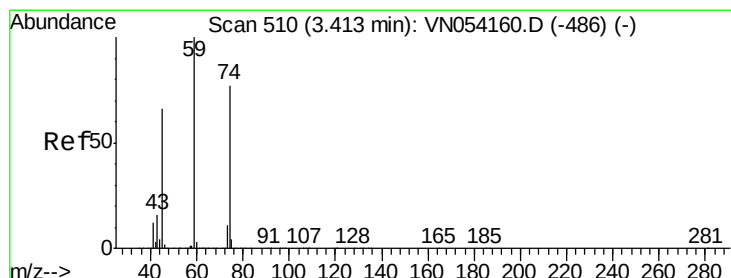
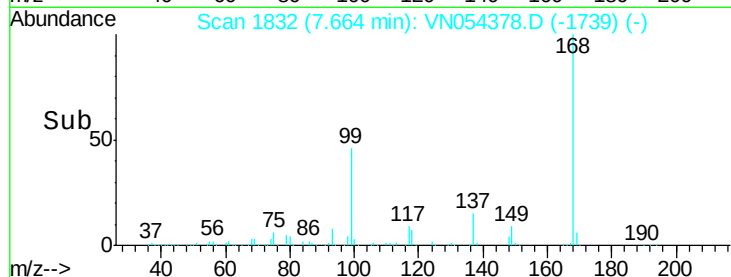
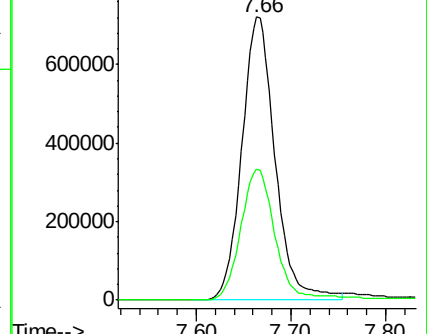
168 100

99 46.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.287 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN054378.D

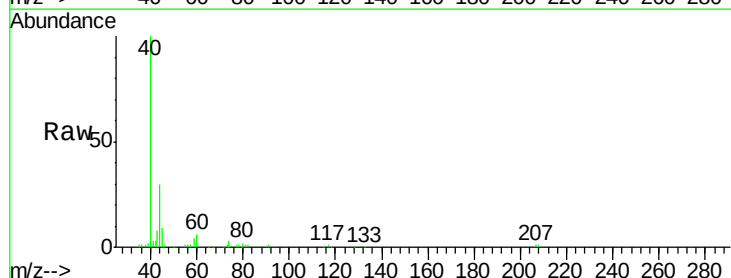
Acq: 17 Mar 2019 11:02

Tgt Ion: 74 Resp: 3230

Ion Ratio Lower Upper

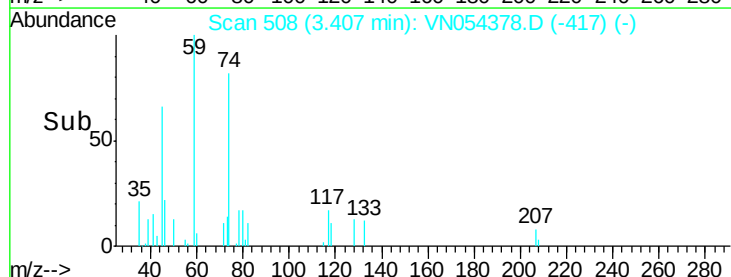
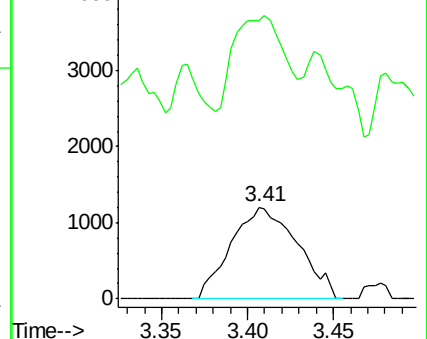
74 100

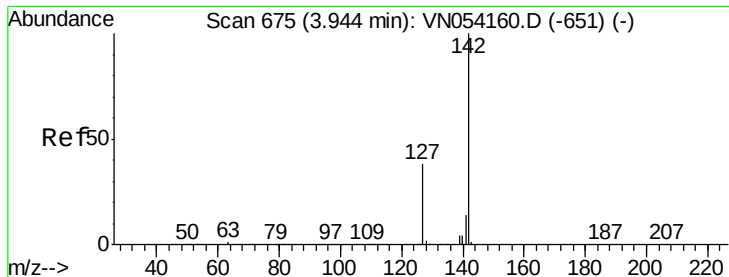
45 95.3 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#10

Methvl Iodide

Concen: 1.500 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

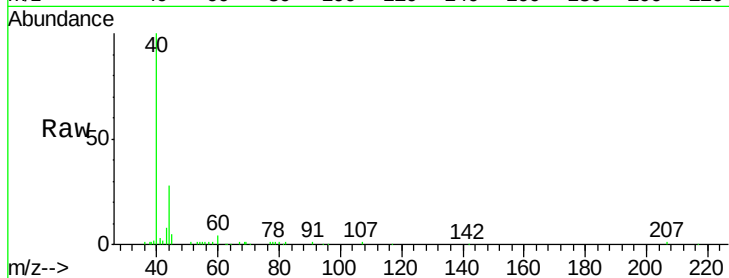
Tot Ion:142 Resp: 70

Ion Ratio Lower Upper

142 100

127 135.7 30.3 45.5#

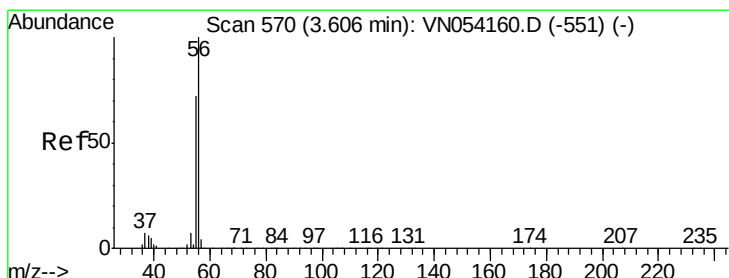
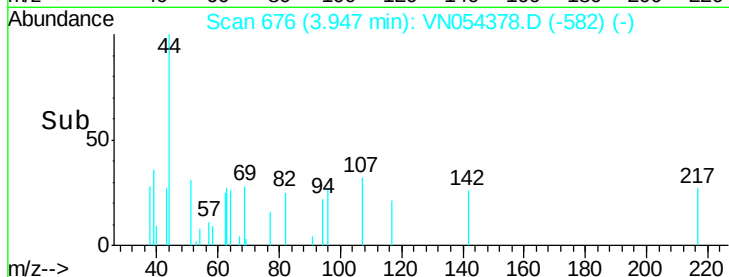
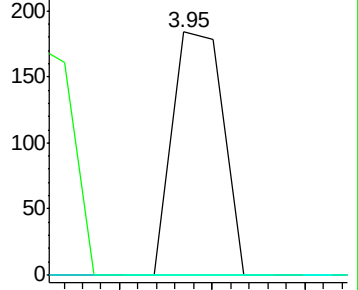
141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 1.914 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054378.D

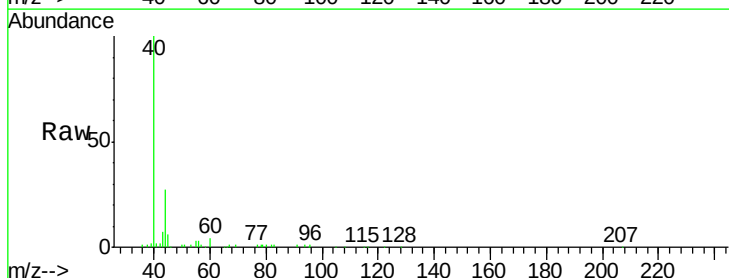
Acq: 17 Mar 2019 11:02

Tgt Ion: 56 Resp: 2330

Ion Ratio Lower Upper

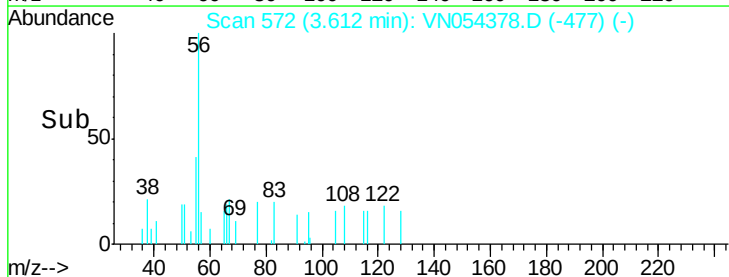
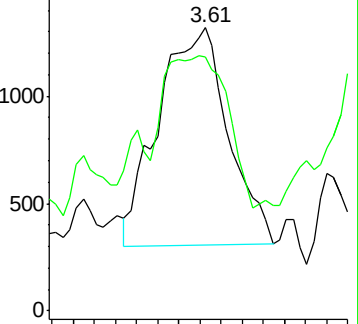
56 100

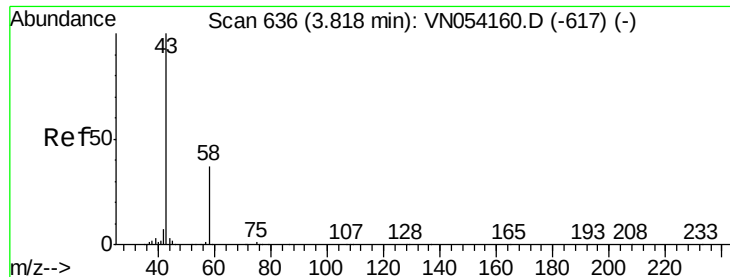
55 80.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 29.417 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

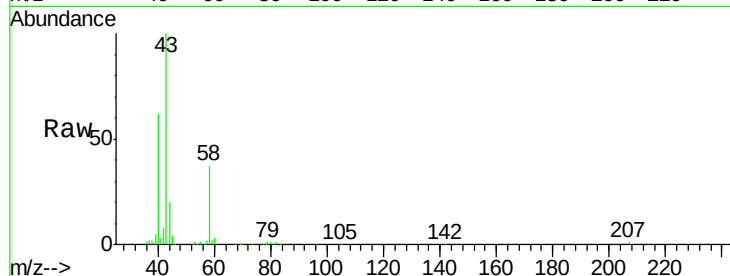
OVS

Tot Ion: 43 Resp: 157840

Ion Ratio Lower Upper

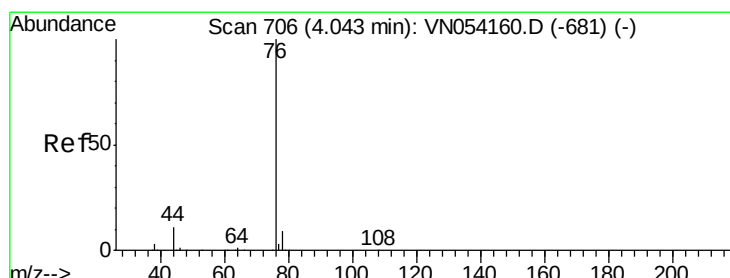
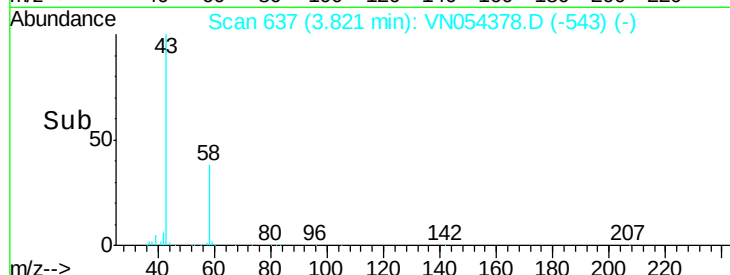
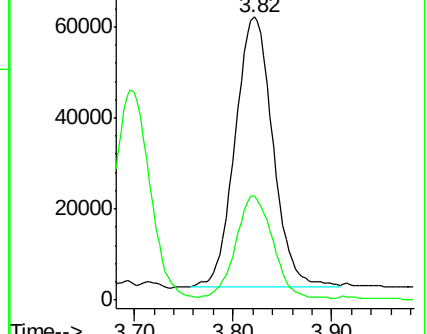
43 100

58 37.3 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054378.D

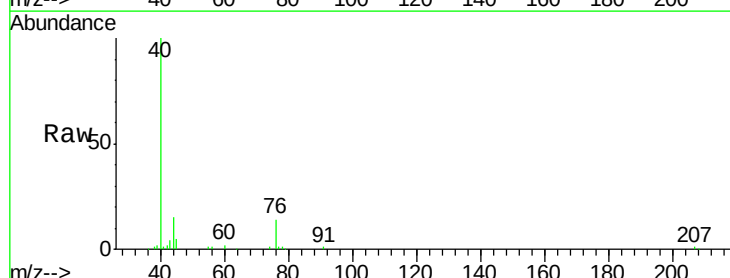
Acq: 17 Mar 2019 11:02

Tgt Ion: 76 Resp: 13593

Ion Ratio Lower Upper

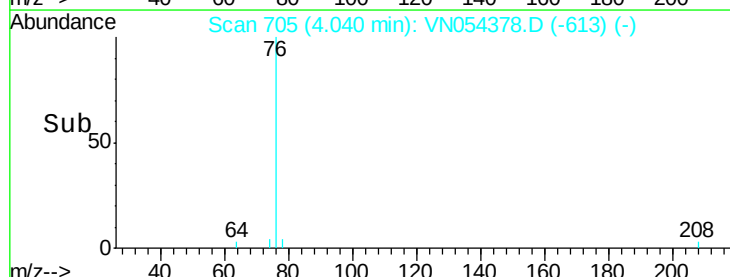
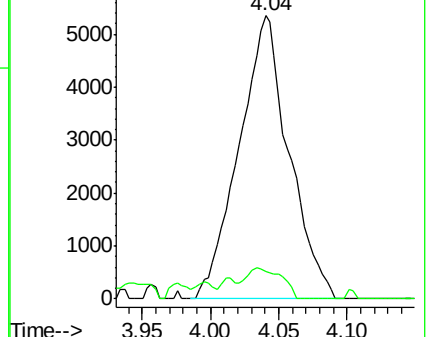
76 100

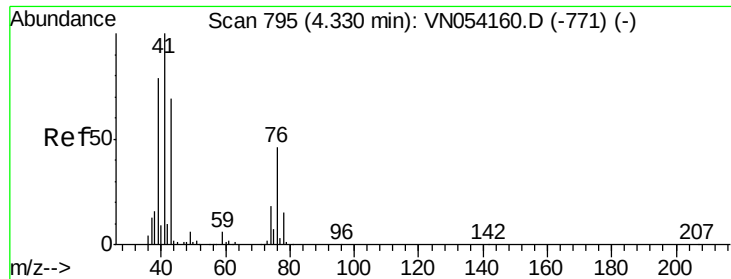
78 9.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

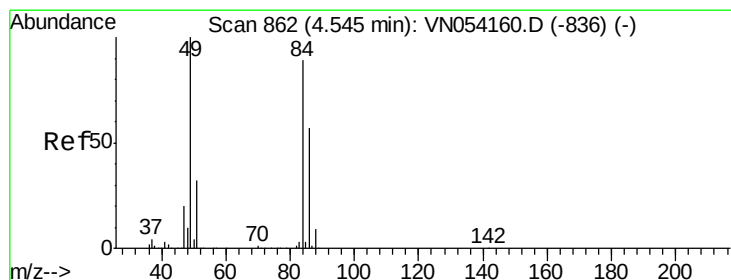
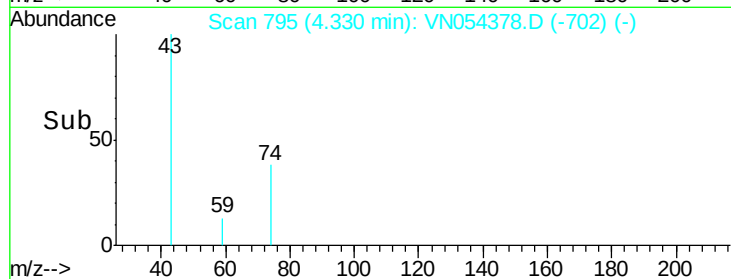
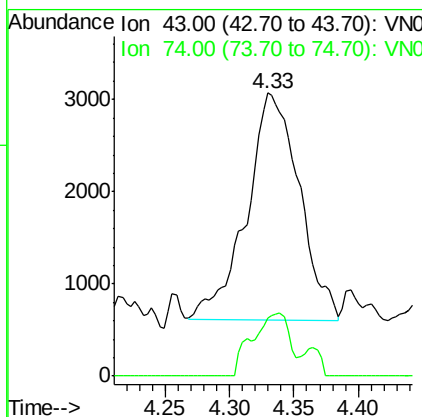
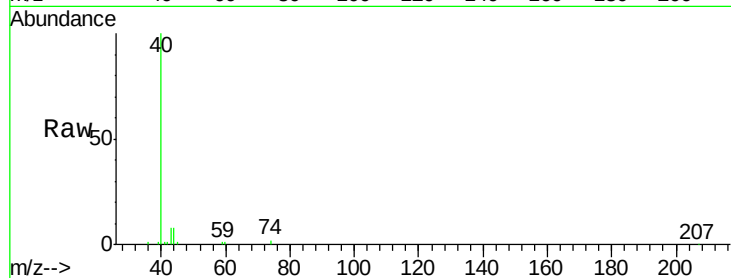




#18
Methvl Acetate
Concen: 0.646 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

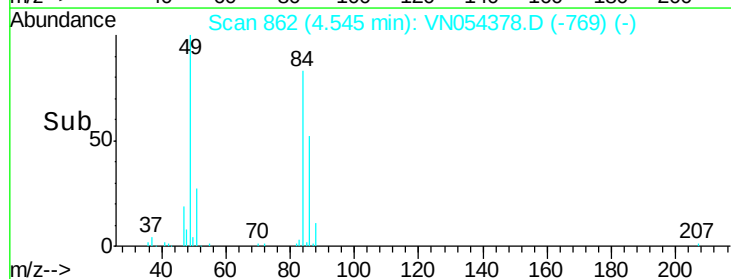
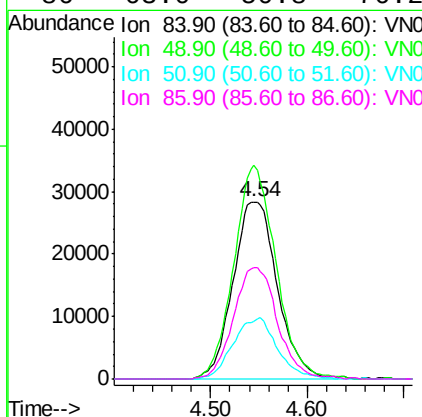
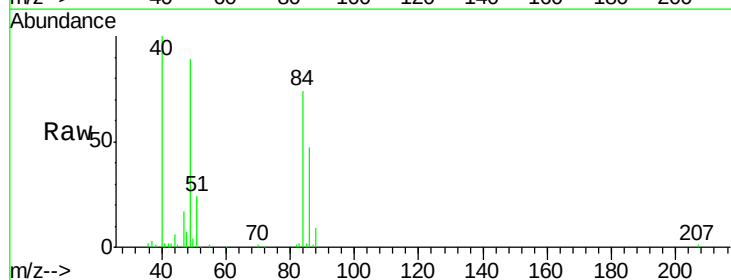
Instrument :
MSVOA_N
ClientSampled :
OWS

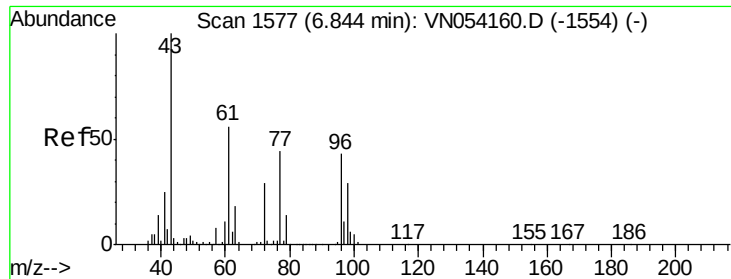
Tot Ion: 43 Resp: 7010
Ion Ratio Lower Upper
43 100
74 19.5 20.8 31.2#



#20
Methylene Chloride
Concen: 5.133 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 84 Resp: 90436
Ion Ratio Lower Upper
84 100
49 120.6 89.7 134.5
51 32.7 28.2 42.4
86 63.0 50.8 76.2





#25

2-Butanone

Concen: 7.297 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

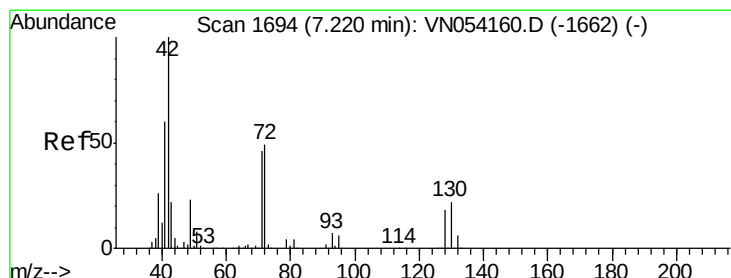
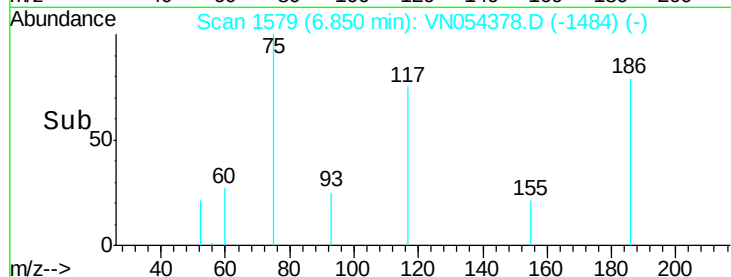
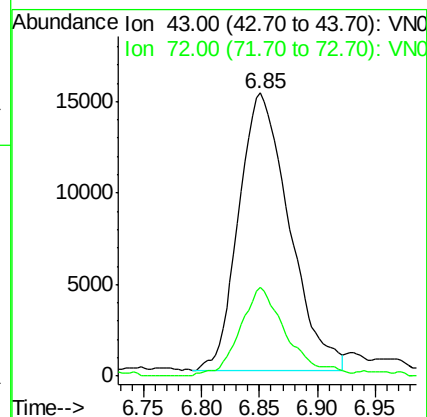
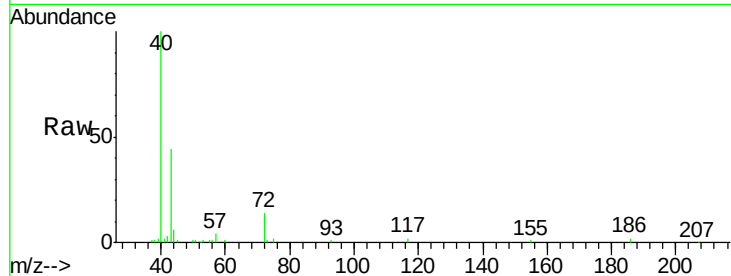
Instrument :
MSVOA_N
ClientSampled :
OWS

Tot Ion: 43 Resp: 45952

Ion Ratio Lower Upper

43 100

72 32.1 23.0 34.6



#29

Tetrahydrofuran

Concen: 1.057 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.02 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

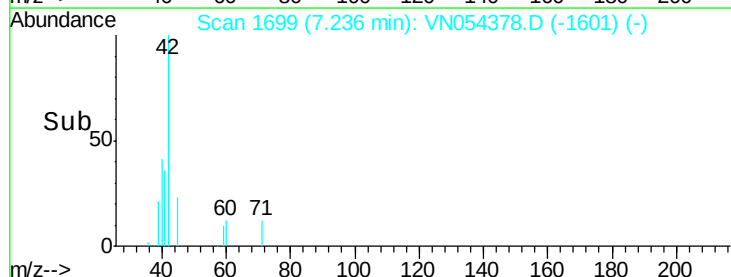
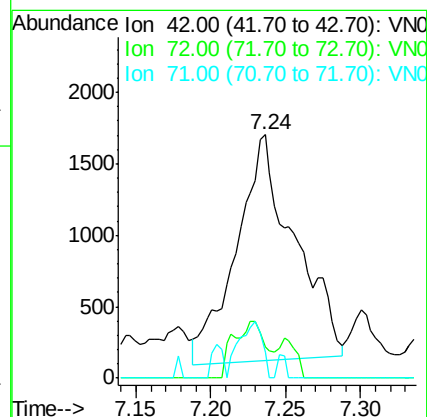
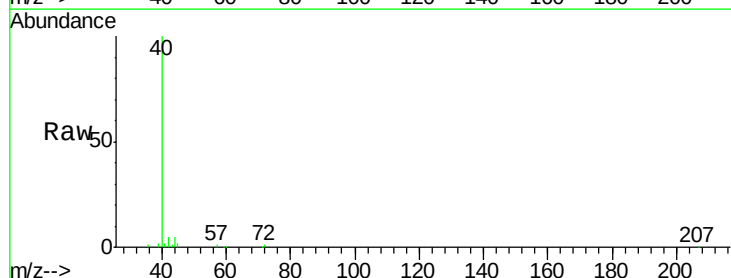
Tgt Ion: 42 Resp: 4278

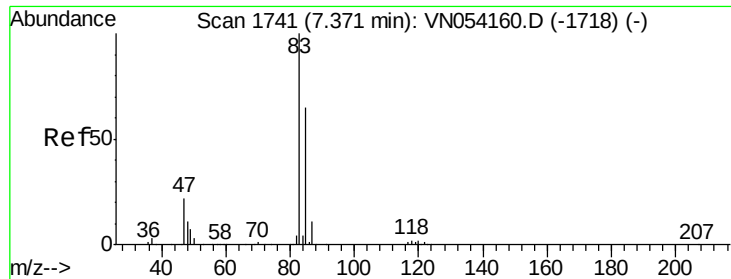
Ion Ratio Lower Upper

42 100

72 14.1 37.8 56.6#

71 10.0 36.2 54.2#

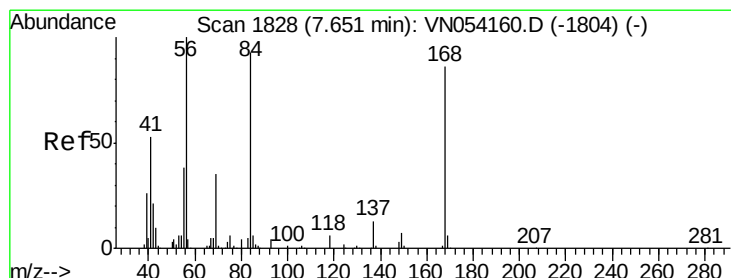
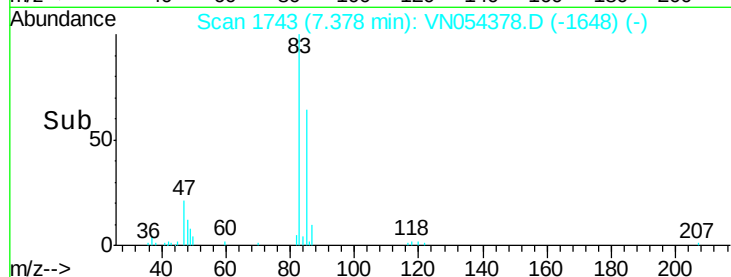
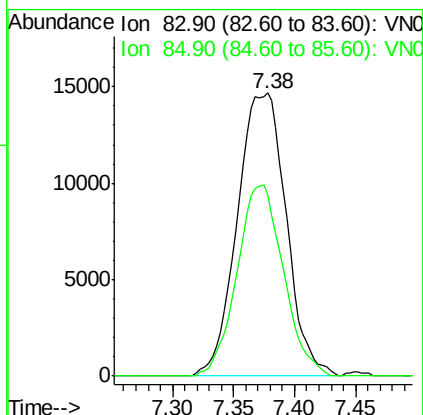
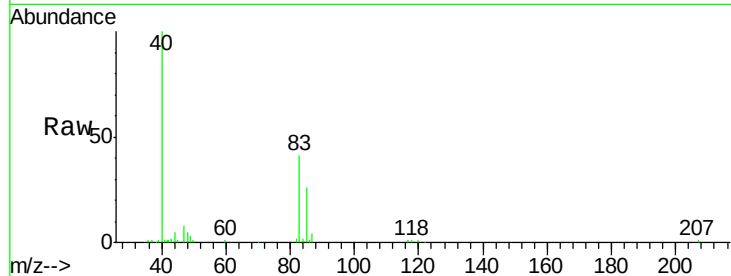




#30
Chloroform
Concen: 1.295 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

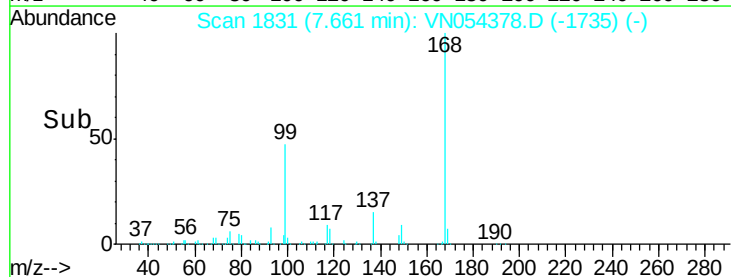
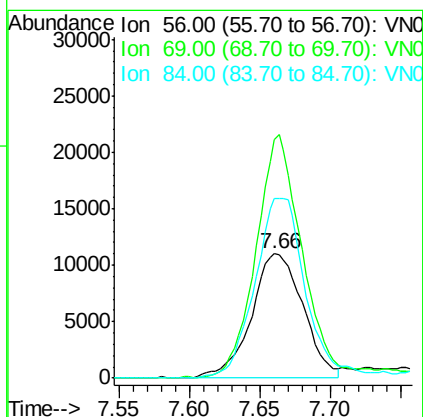
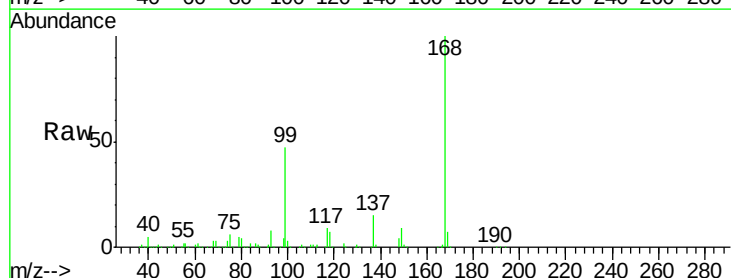
Instrument :
MSVOA_N
ClientSampleId :
OWS

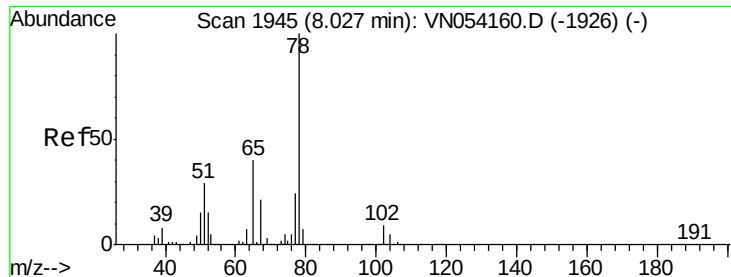
Tot Ion: 83 Resp: 40743
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 56 Resp: 28226
Ion Ratio Lower Upper
56 100
69 189.4 27.8 41.6#
84 144.7 74.6 111.8#

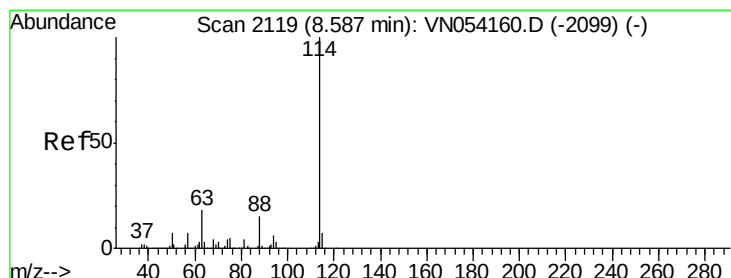
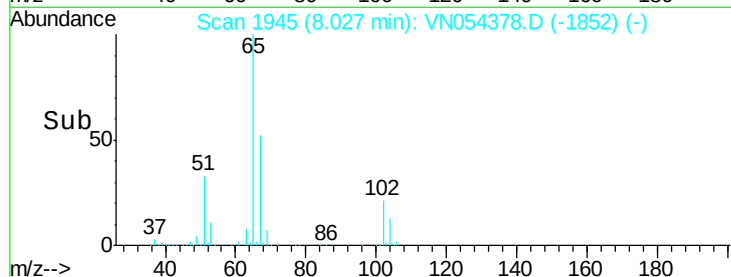
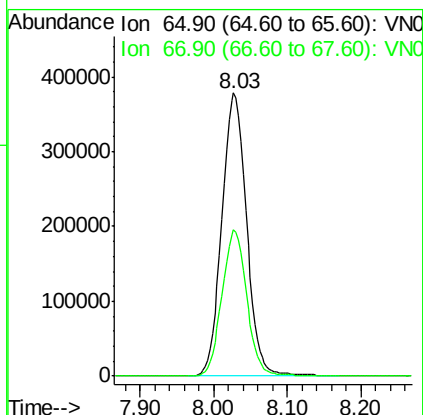
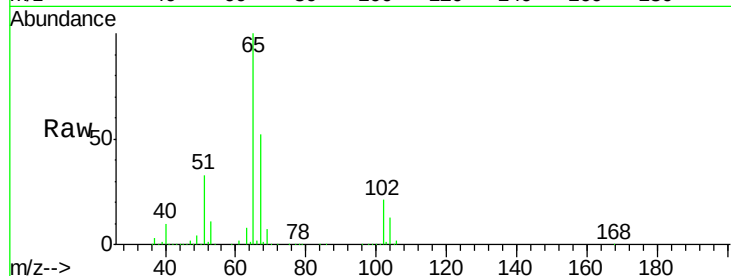




#33
 1,2-Dichloroethane-d4
 Concen: 47.222 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

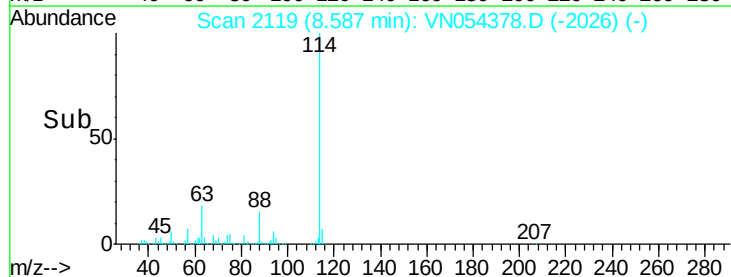
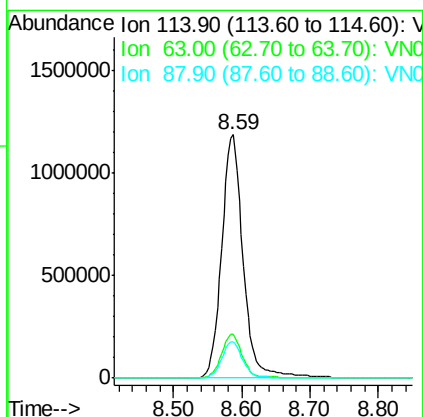
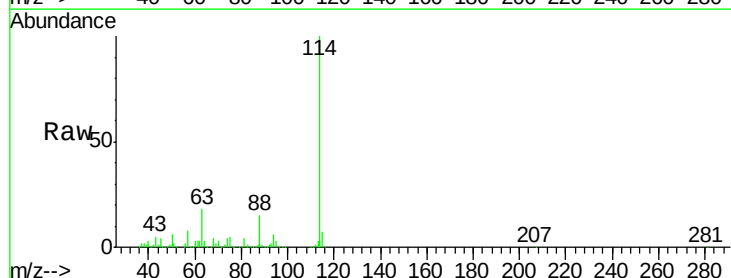
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS

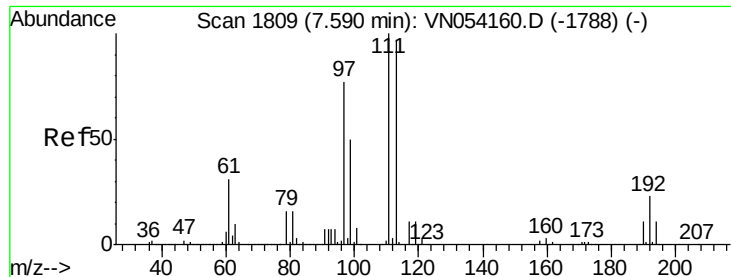
Tot Ion: 65 Resp: 884935
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

Tgt Ion: 114 Resp: 2598655
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.9 0.0 30.2

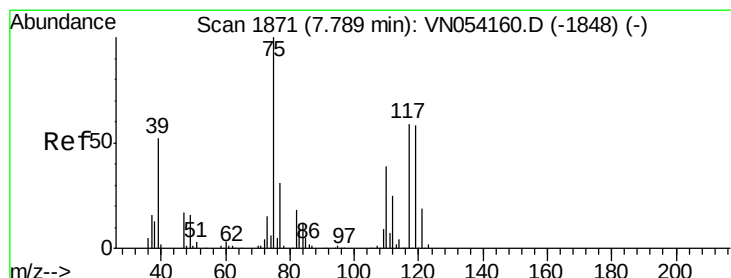
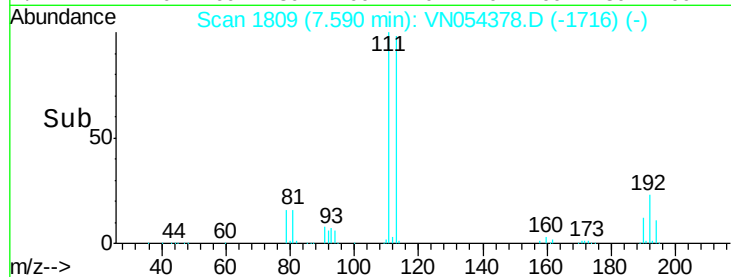
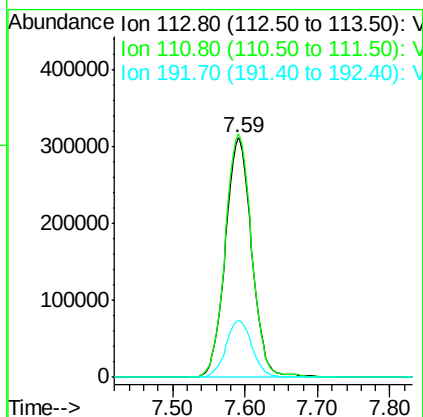
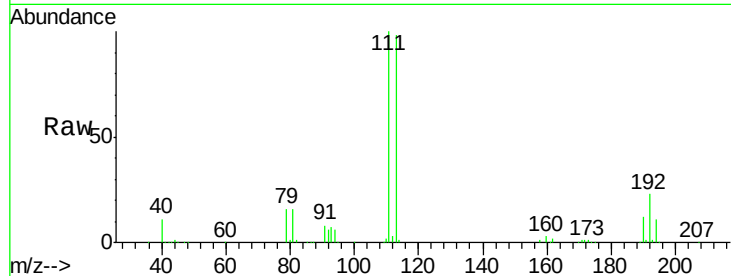




#35
 Dibromofluoromethane
 Concen: 47.019 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

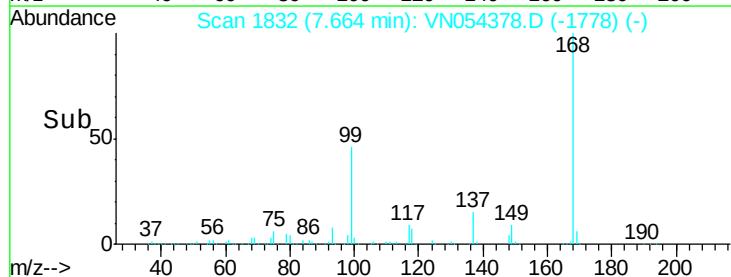
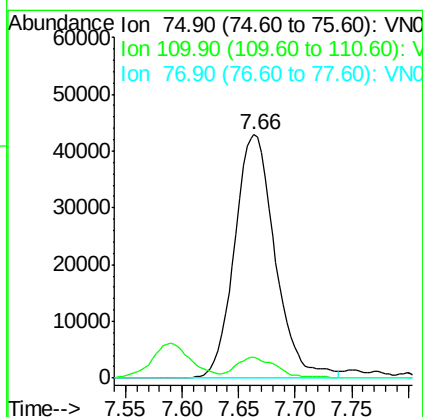
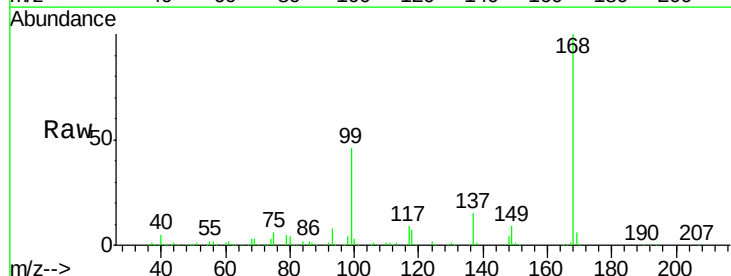
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS

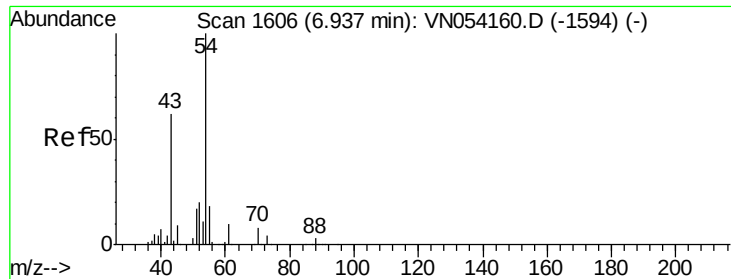
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	23.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.467 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.1	57.5#
77	0.0	25.0	37.4#

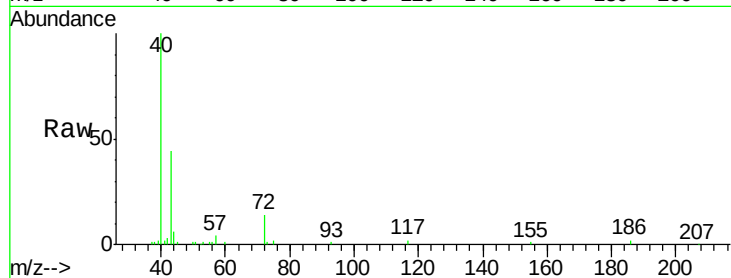




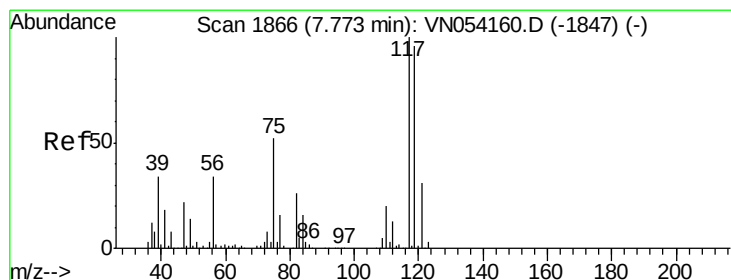
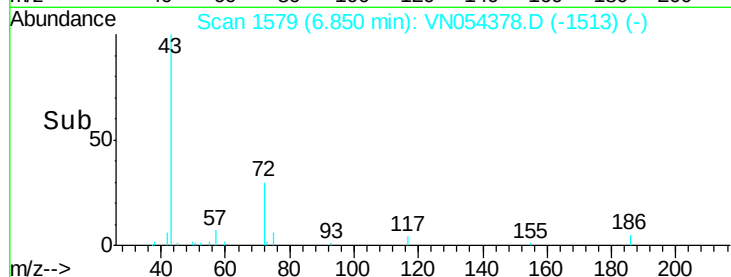
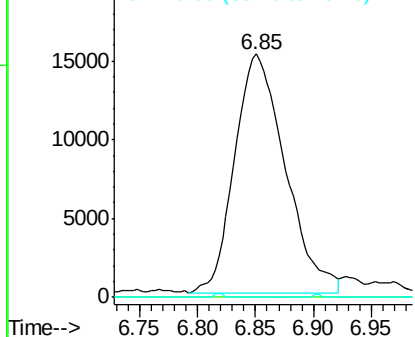
#37
Ethyl Acetate
Concen: 3.342 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. -0.09 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
OWS

Tot Ion: 43 Resp: 45952
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#

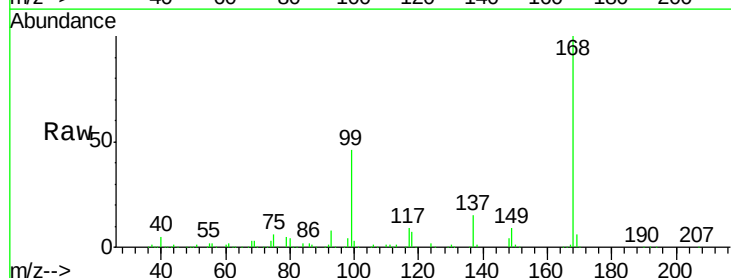


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

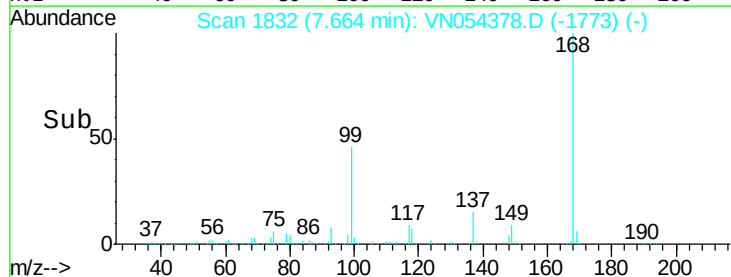
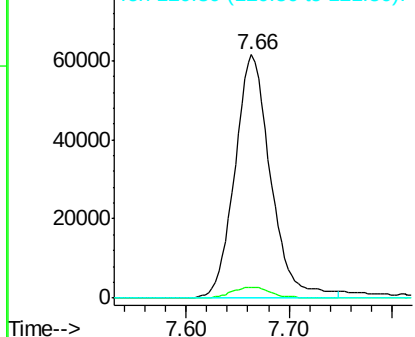


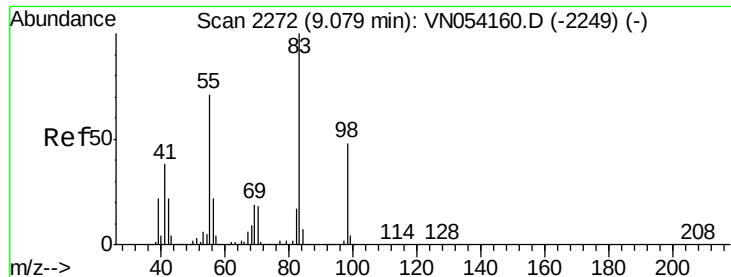
#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 117 Resp: 148779
Ion Ratio Lower Upper
117 100
119 4.4 76.3 114.5#
121 0.0 24.6 36.8#



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

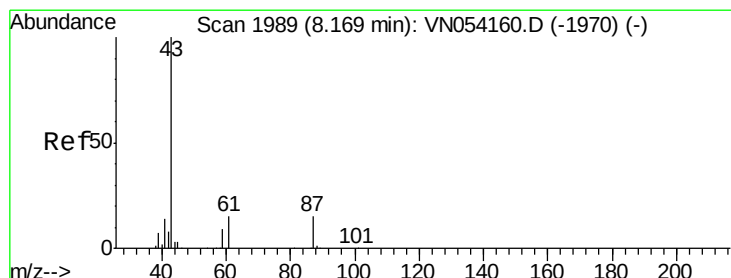
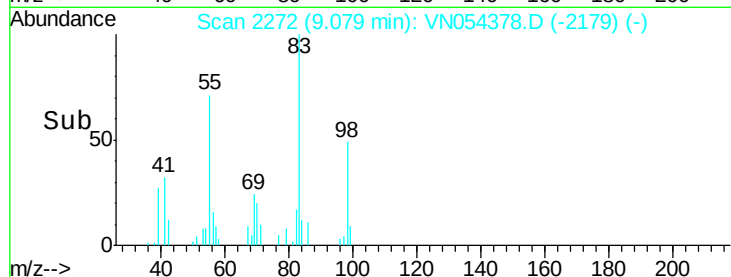
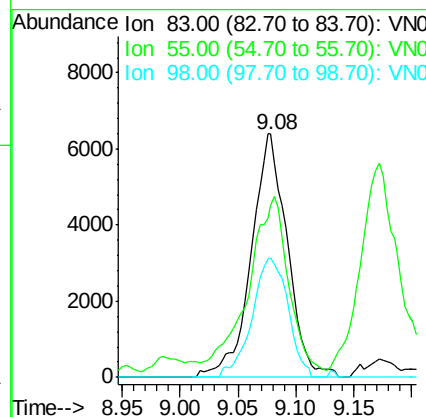
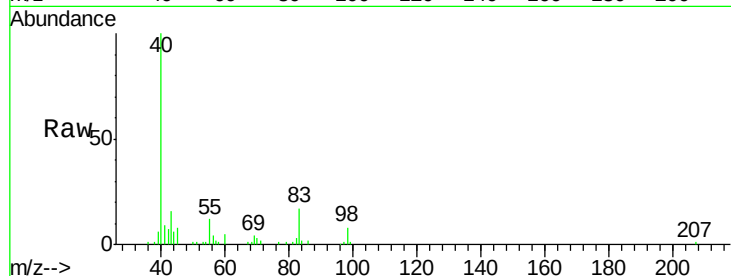




#39
Methvlcvclohexane
Concen: 0.471 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

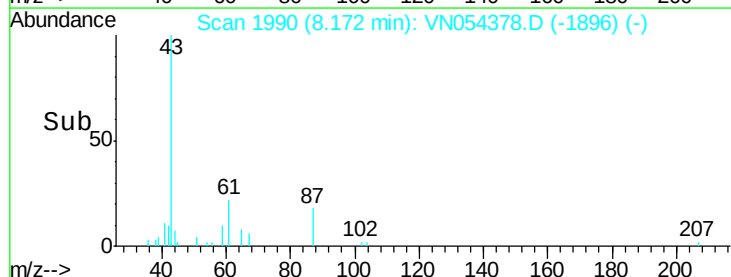
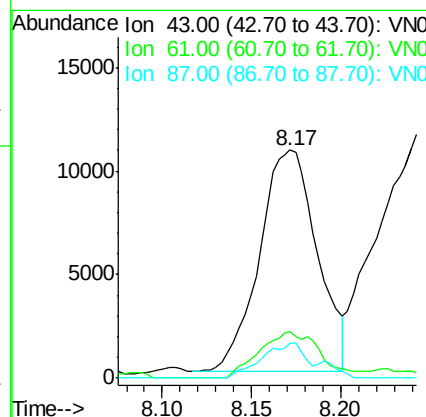
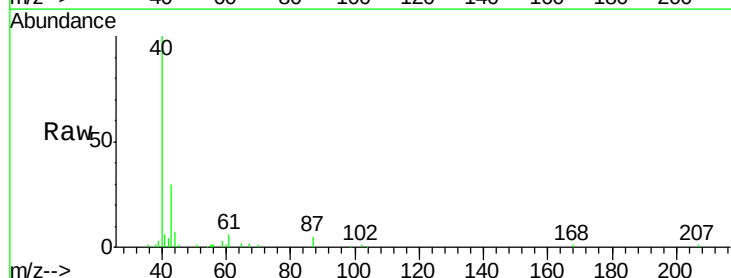
Instrument :
MSVOA_N
ClientSampleId :
OWS

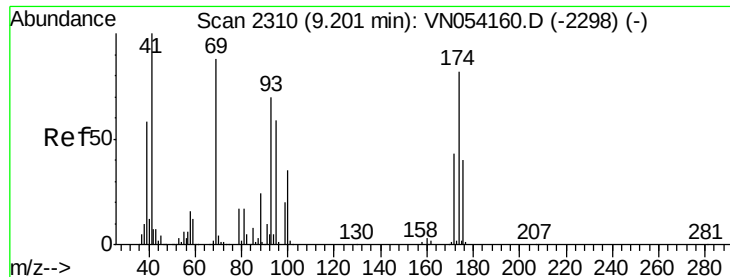
Tot Ion: 83 Resp: 13858
Ion Ratio Lower Upper
83 100
55 64.2 56.6 84.8
98 49.1 38.4 57.6



#43
Isopropyl Acetate
Concen: 1.005 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 43 Resp: 24254
Ion Ratio Lower Upper
43 100
61 21.9 15.8 23.8
87 11.8 12.0 18.0#

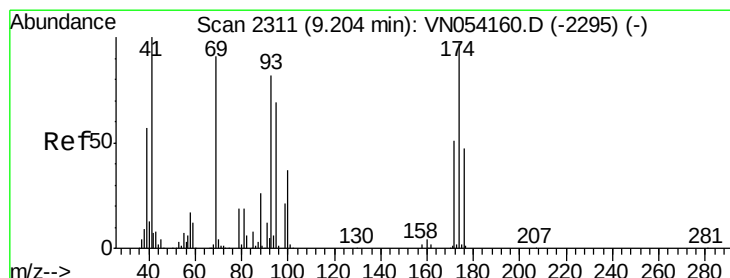
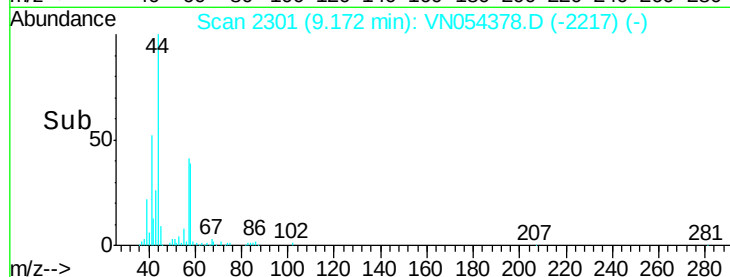
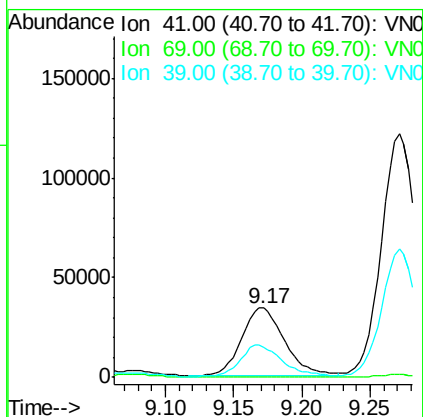
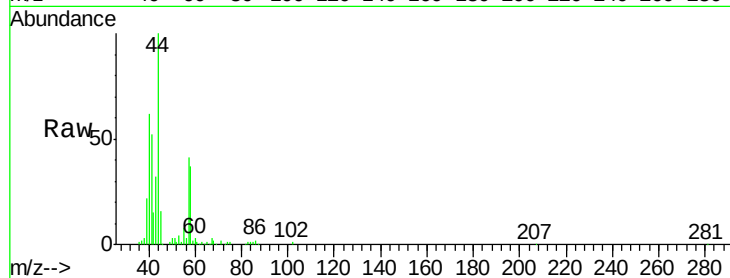




#48
Methvl methacrylate
Concen: 6.104 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.03 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

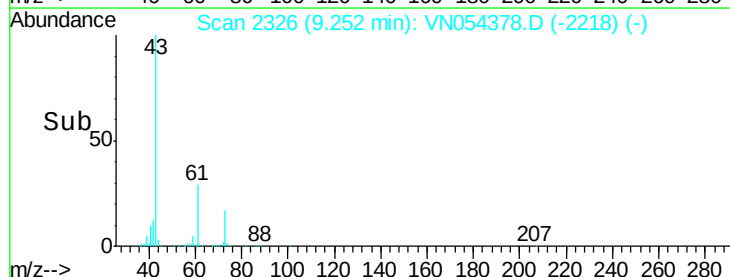
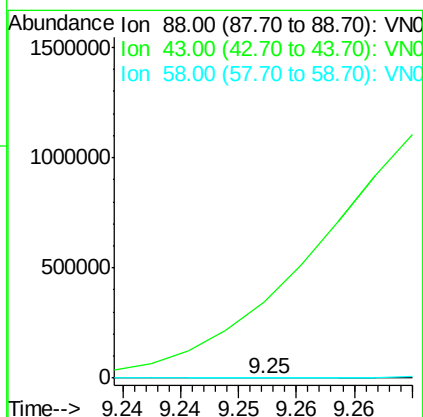
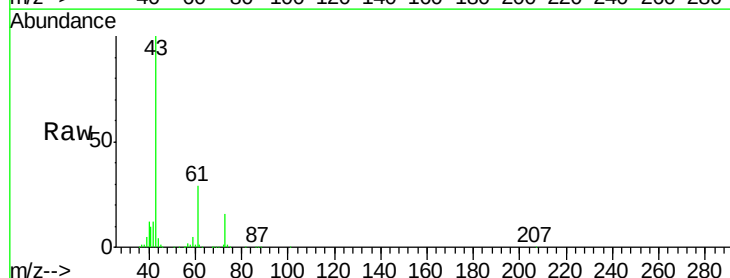
Instrument :
MSVOA_N
ClientSampleId :
OWS

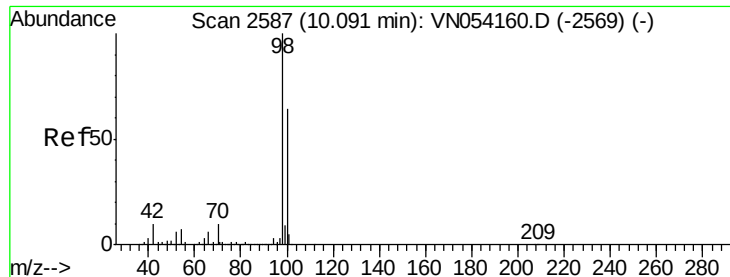
Tot Ion: 41 Resp: 74771
Ion Ratio Lower Upper
41 100
69 1.0 72.6 108.8#
39 44.8 47.5 71.3#



#49
1,4-Dioxane
Concen: 0.202 ug/l
RT: 9.25 min Scan# 2326
Delta R.T. 0.05 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#





#50

Toluene-d8

Concen: 48.300 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

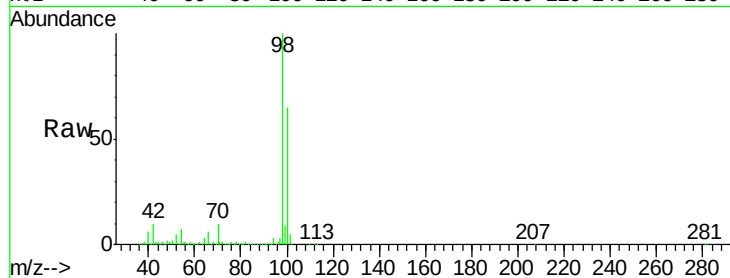
OVS

Tot Ion: 98 Resp: 2989685

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

10.09

1500000

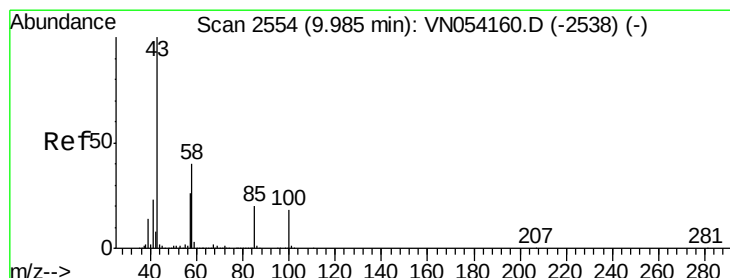
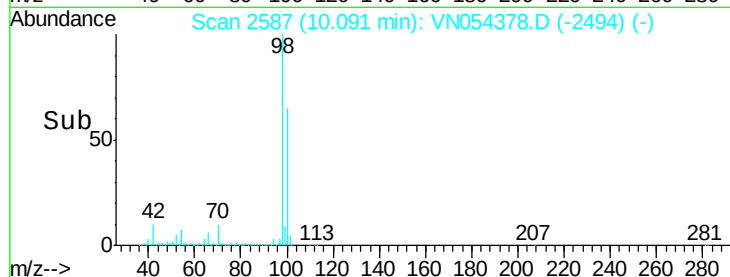
1000000

500000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 1.323 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054378.D

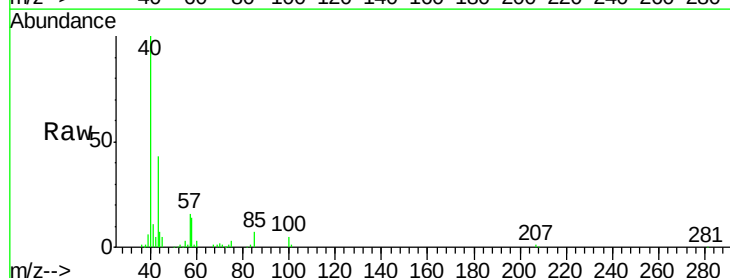
Acq: 17 Mar 2019 11:02

Tgt Ion: 43 Resp: 16894

Ion Ratio Lower Upper

43 100

58 62.7 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

20000

15000

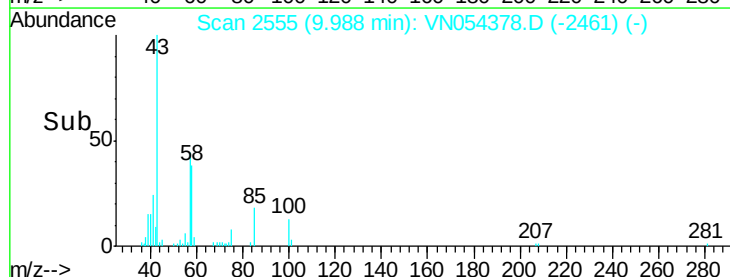
10000

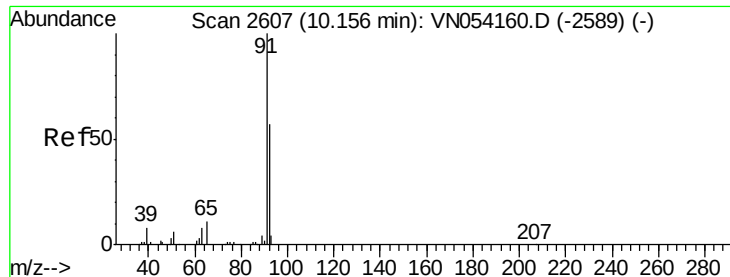
5000

0

Time-->

9.95 10.00





#52

Toluene

Concen: 0.517 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

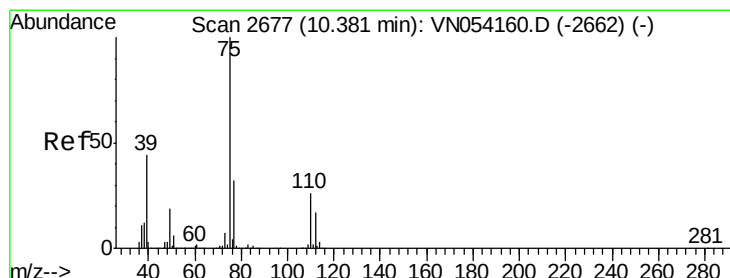
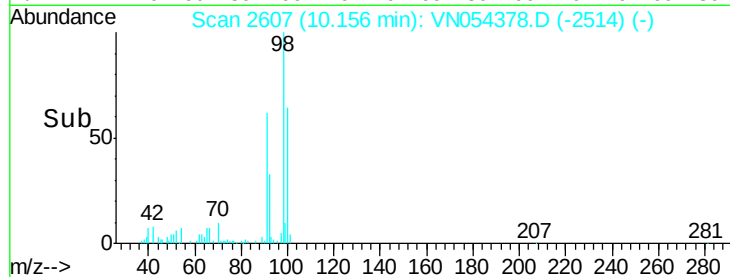
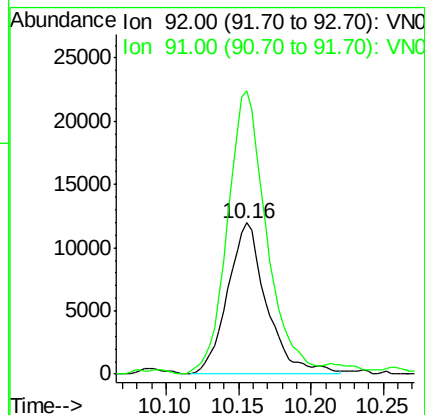
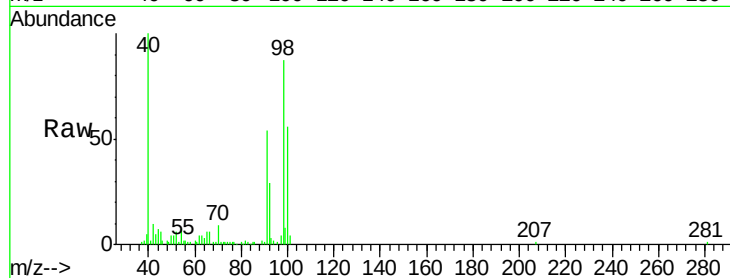
OVS

Tot Ion: 92 Resp: 22446

Ion Ratio Lower Upper

92 100

91 186.6 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.991 ug/l

RT: 10.29 min Scan# 2649

Delta R.T. -0.09 min

Lab File: VN054378.D

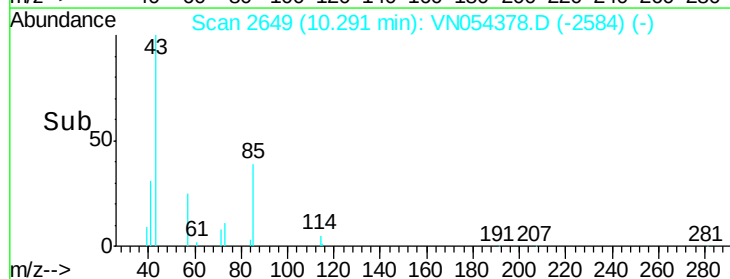
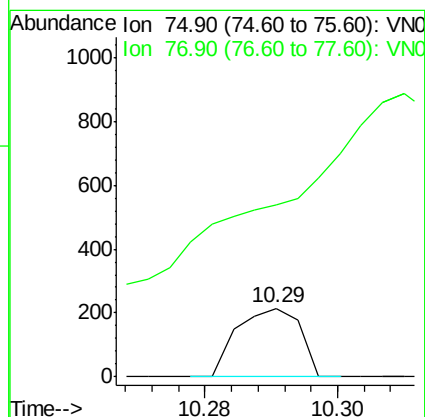
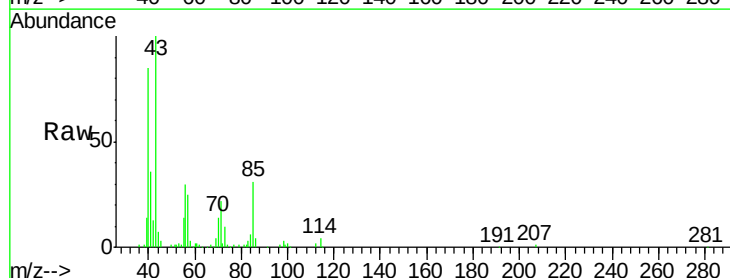
Acq: 17 Mar 2019 11:02

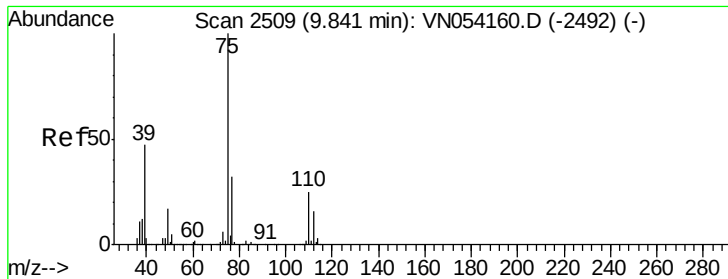
Tgt Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

77 52.6 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 4.030 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

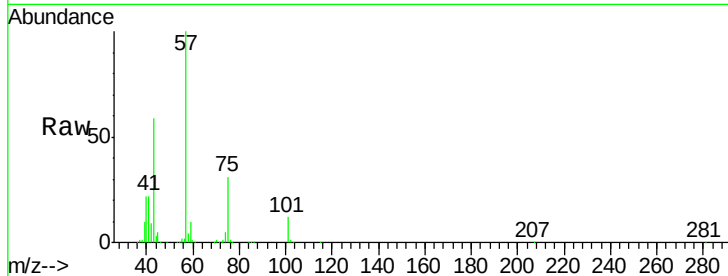
Tot Ion: 75 Resp: 108175

Ion Ratio Lower Upper

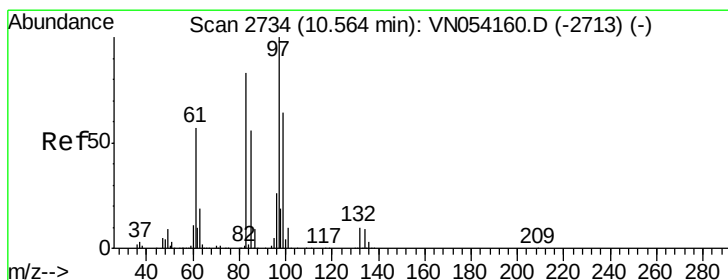
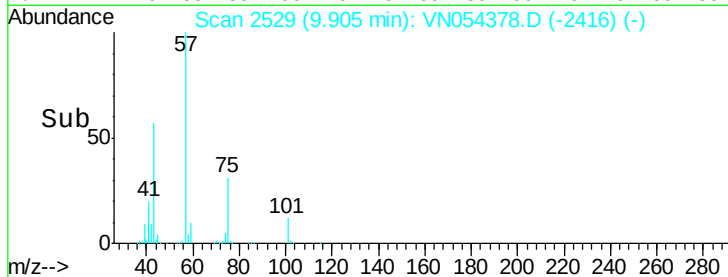
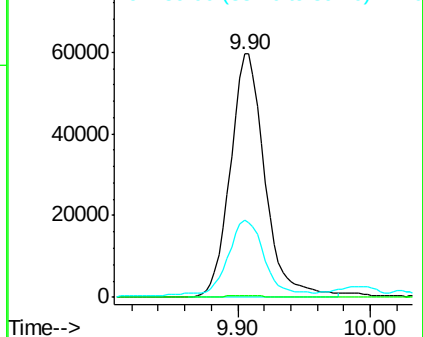
75 100

77 0.6 25.4 38.0#

39 30.0 37.2 55.8#



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



#55

1,1,2-Trichloroethane

Concen: 0.829 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Tgt Ion: 97 Resp: 13142

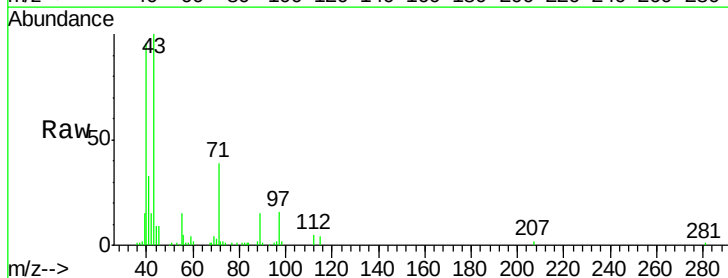
Ion Ratio Lower Upper

97 100

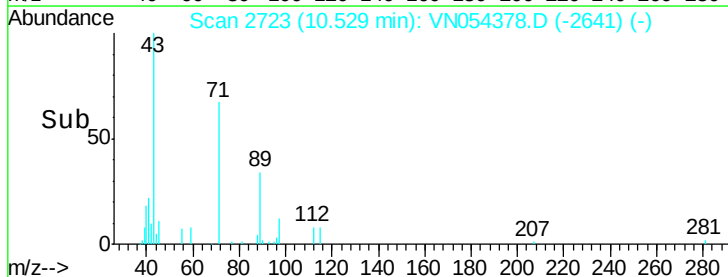
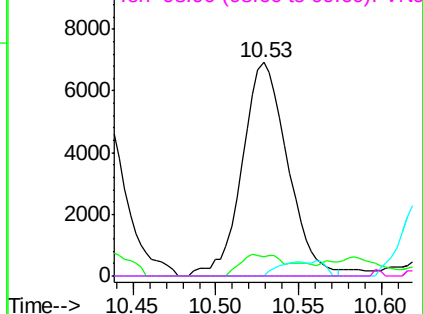
83 8.7 66.6 100.0#

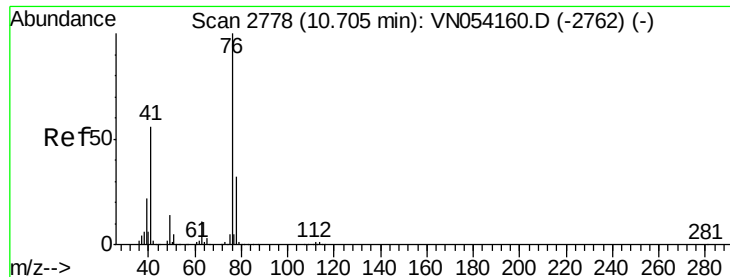
85 0.0 44.4 66.6#

99 0.0 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO

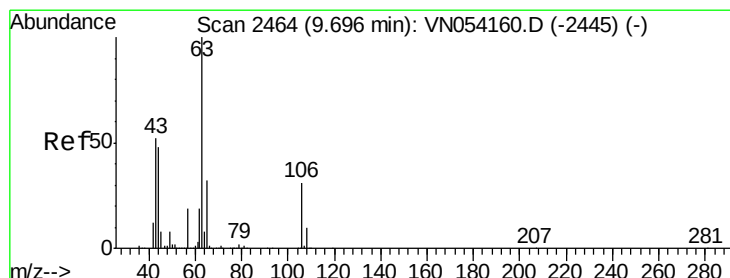
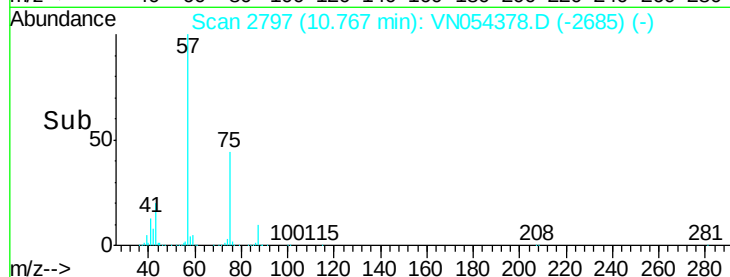
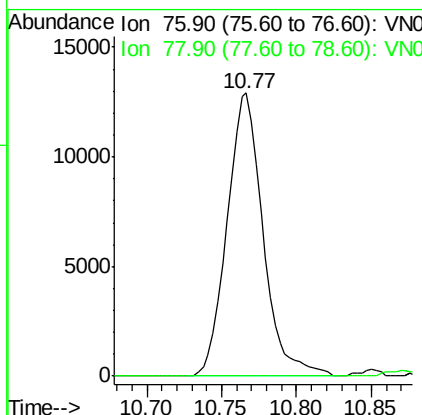
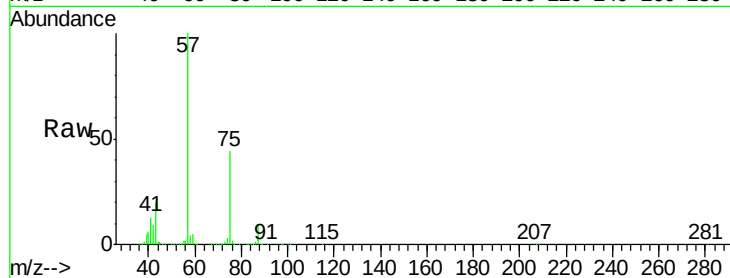




#57
 1,3-Dichloropropane
 Concen: 0.834 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

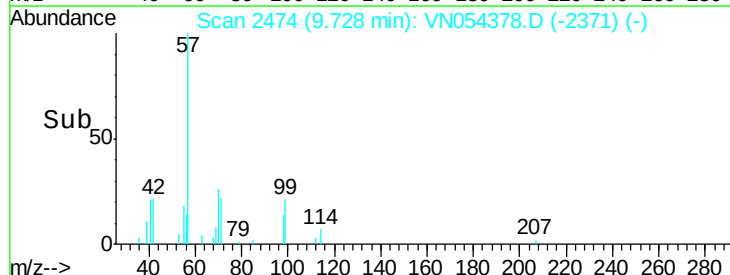
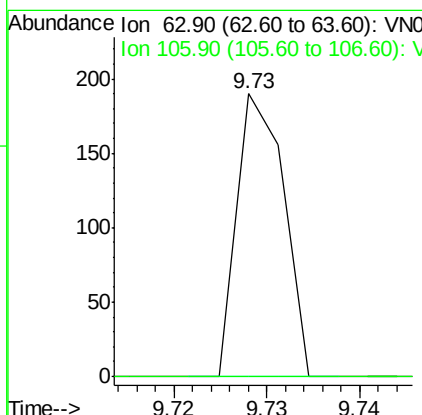
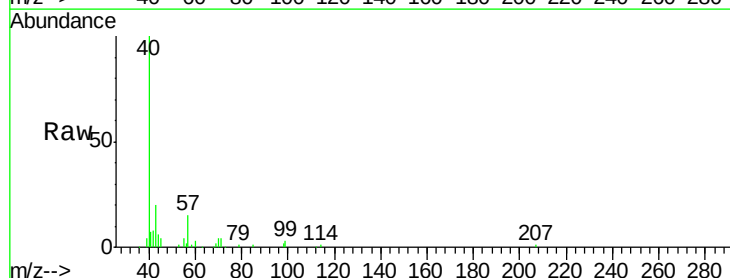
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS

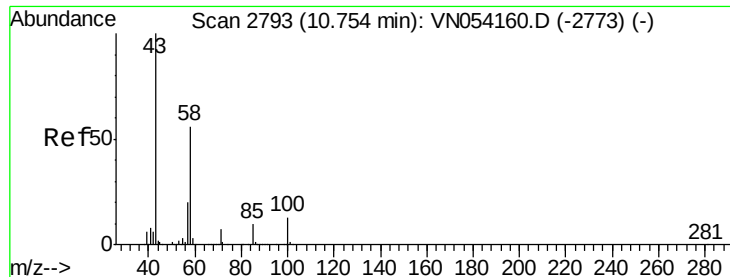
Tot Ion: 76 Resp: 21633
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.836 ug/l
 RT: 9.73 min Scan# 2474
 Delta R.T. 0.03 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

Tgt Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.4 36.6#

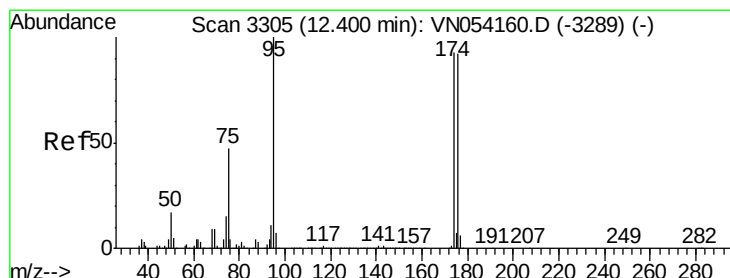
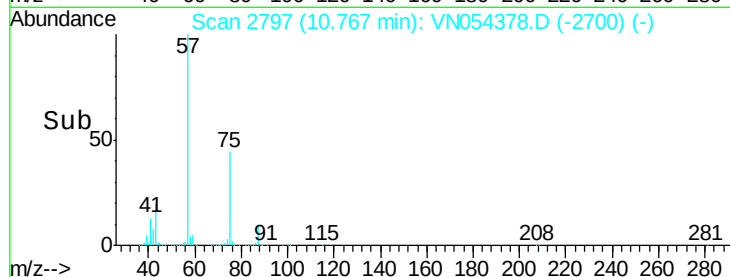
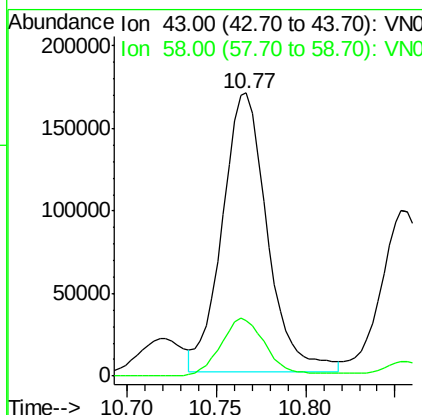
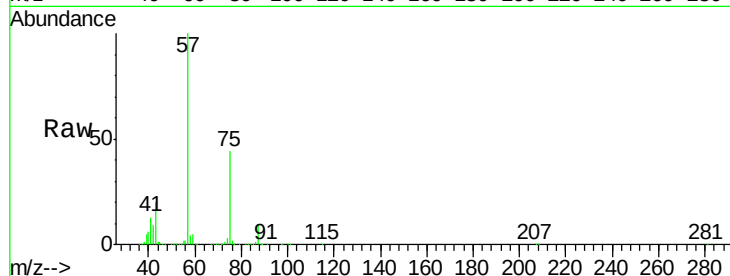




#59
2-Hexanone
Concen: 34.969 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

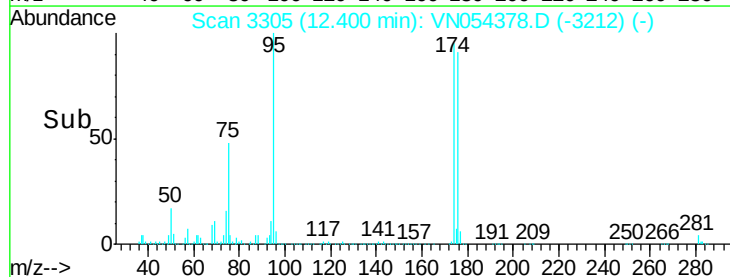
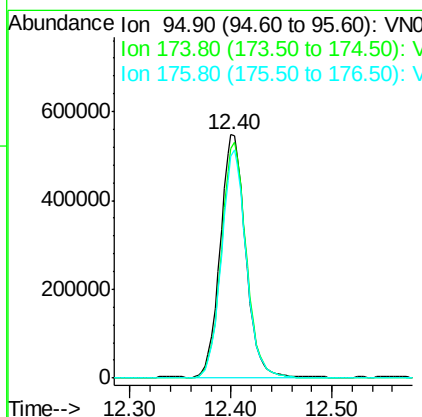
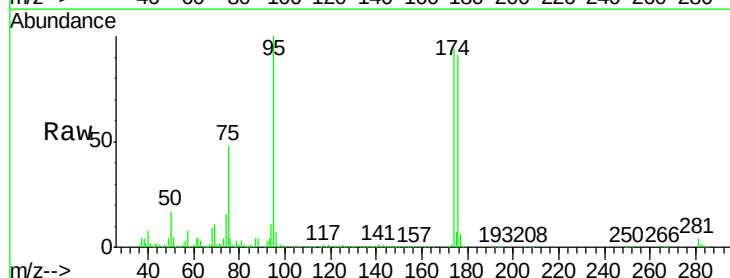
Instrument :
MSVOA_N
ClientSampleId :
OWS

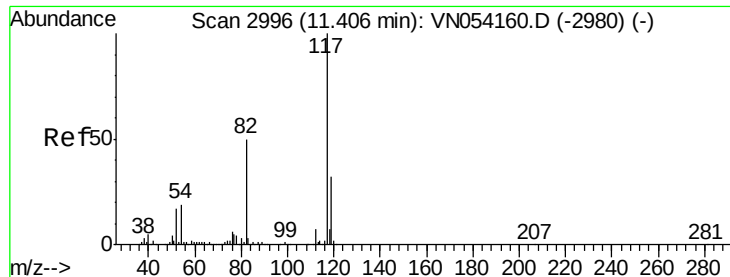
Tot Ion: 43 Resp: 297208
Ion Ratio Lower Upper
43 100
58 21.2 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 44.009 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion: 95 Resp: 953145
Ion Ratio Lower Upper
95 100
174 96.3 0.0 191.0
176 92.5 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

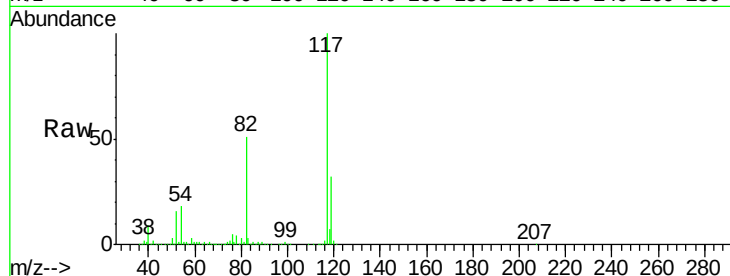
Tot Ion:117 Resp: 222592

Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

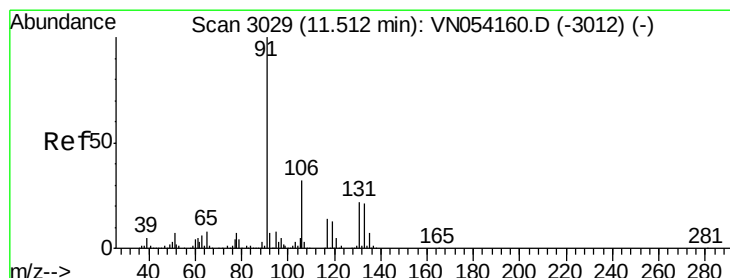
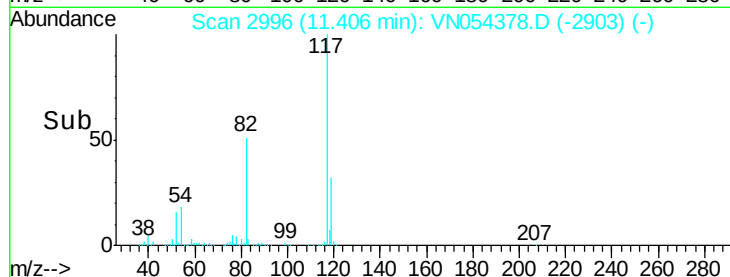
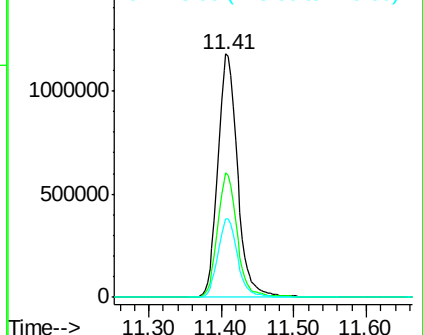
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 4.251 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054378.D

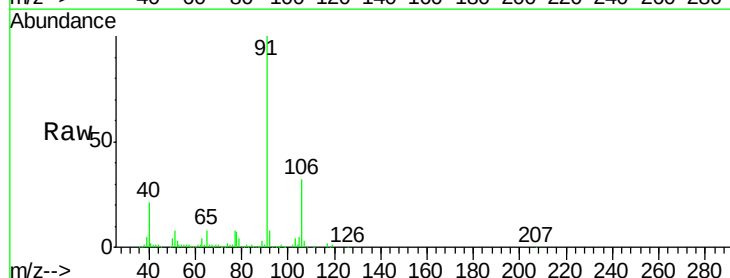
Acq: 17 Mar 2019 11:02

Tgt Ion: 91 Resp: 344374

Ion Ratio Lower Upper

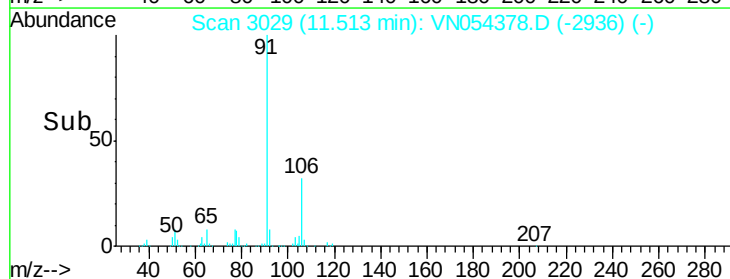
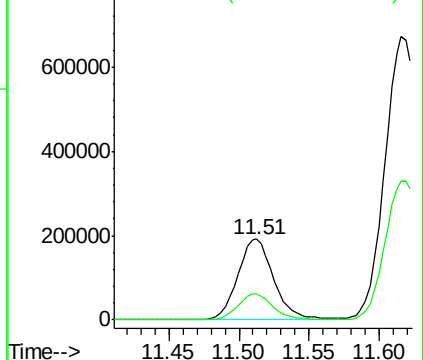
91 100

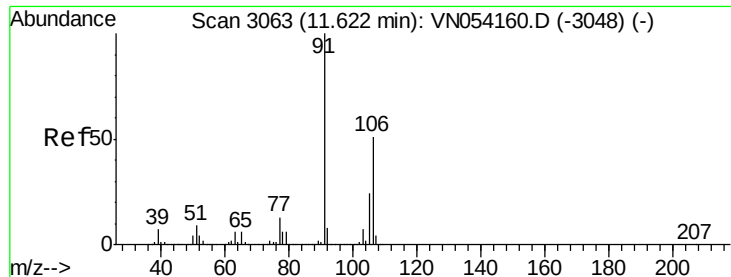
106 32.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

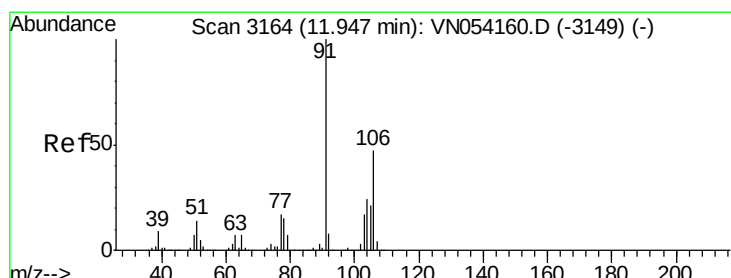
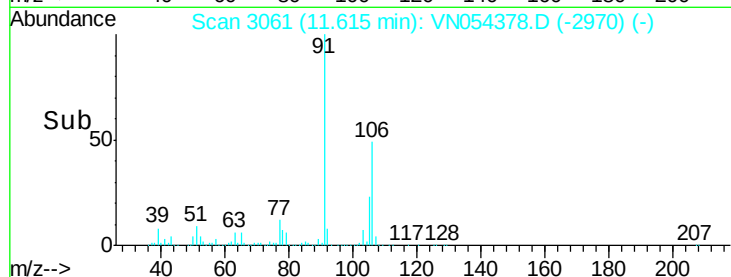
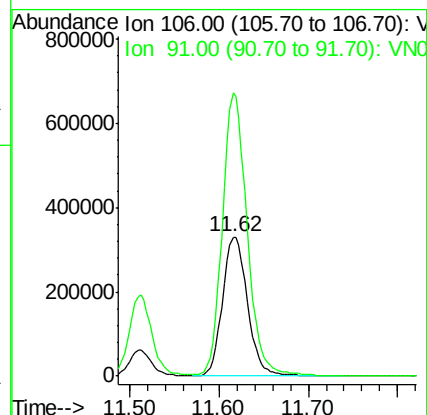
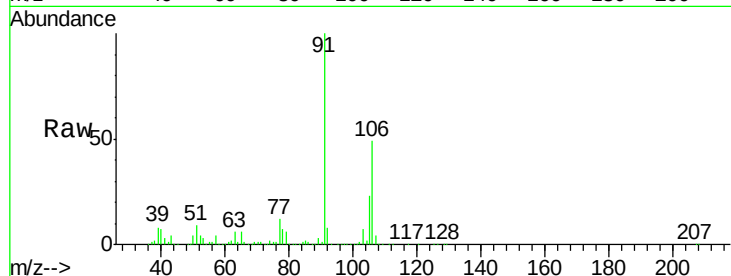




#68
m/p-Xylenes
Concen: 20.388 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

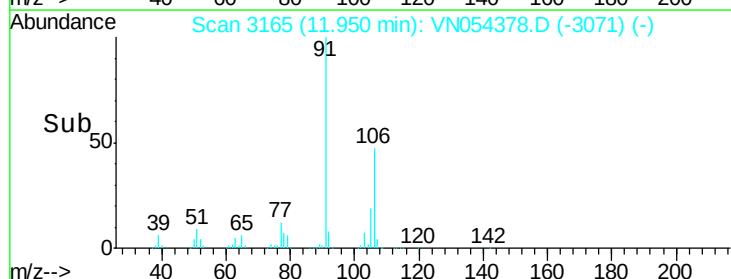
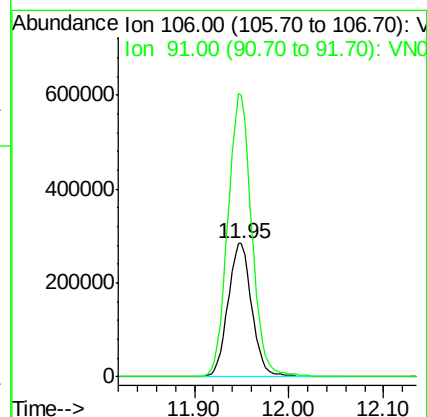
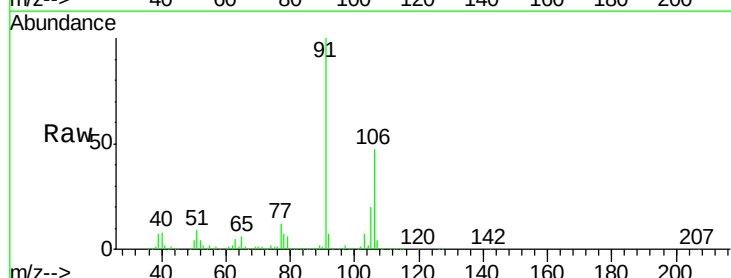
Instrument :
MSVOA_N
ClientSampled :
OWS

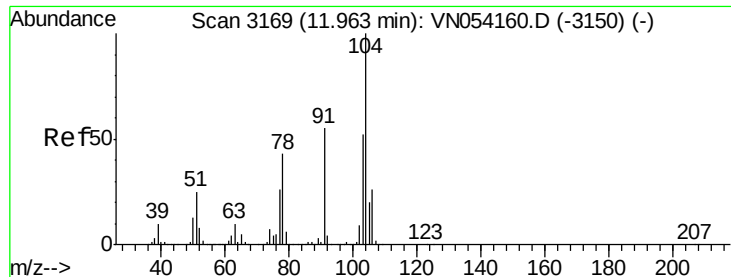
Tot Ion:106 Resp: 645519
Ion Ratio Lower Upper
106 100
91 200.5 159.4 239.2



#69
o-Xylene
Concen: 16.170 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion:106 Resp: 499079
Ion Ratio Lower Upper
106 100
91 212.6 105.7 317.1

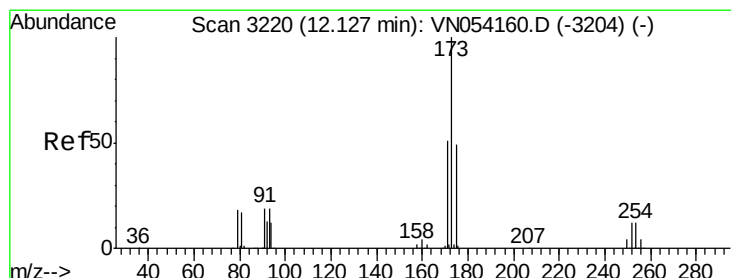
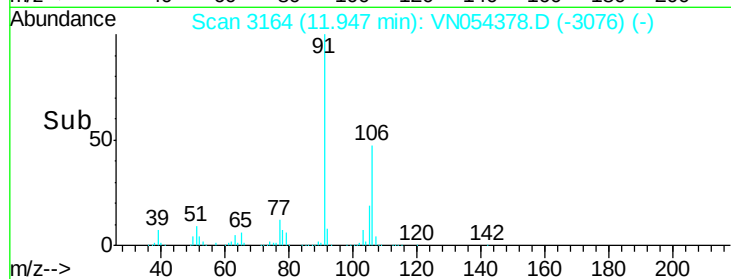
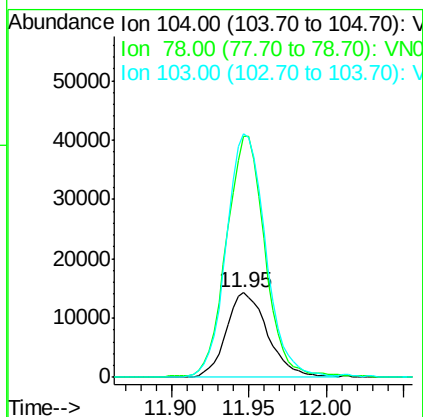
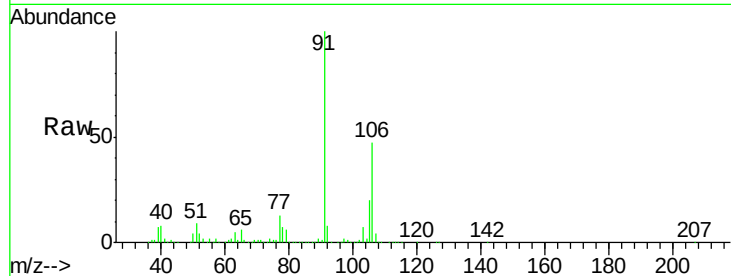




#70
Stvrene
Concen: 0.550 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

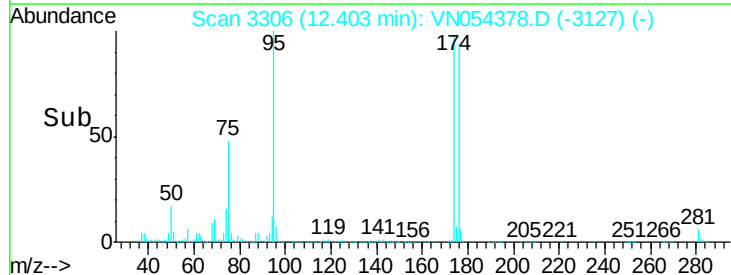
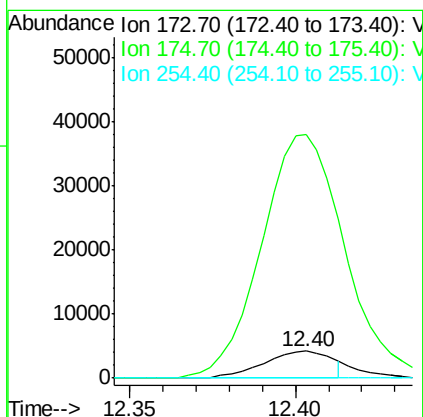
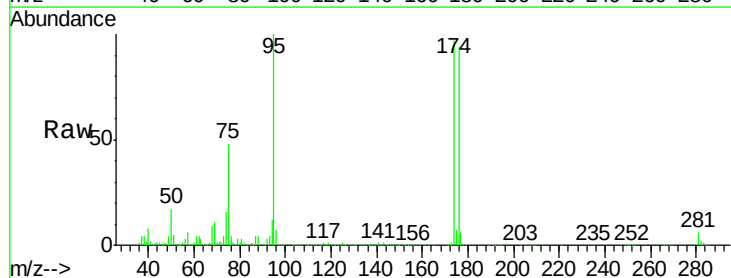
Instrument :
MSVOA_N
ClientSampled :
OWS

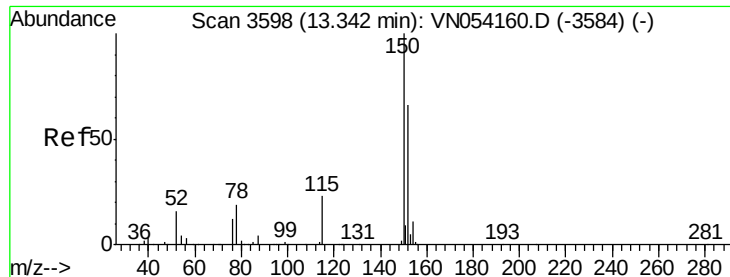
Tot Ion:104 Resp: 26630
Ion Ratio Lower Upper
104 100
78 265.5 38.2 57.2#
103 272.2 44.4 66.6#



#71
Bromoform
Concen: 2.777 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054378.D
Acq: 17 Mar 2019 11:02

Tgt Ion:173 Resp: 6060
Ion Ratio Lower Upper
173 100
175 926.2 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

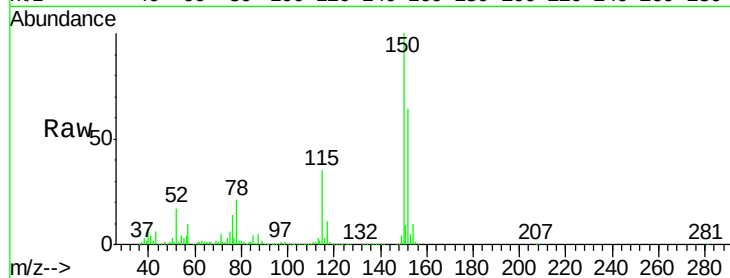
Tot Ion:152 Resp: 947867

Ion Ratio Lower Upper

152 100

115 56.3 27.2 81.6

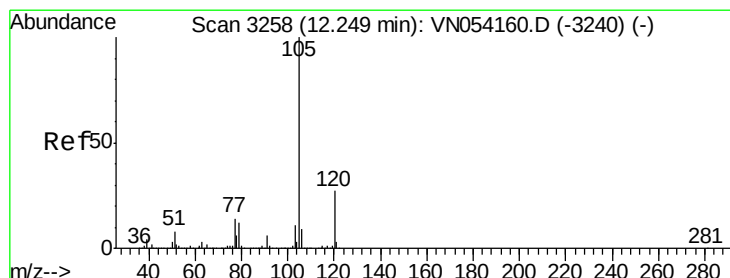
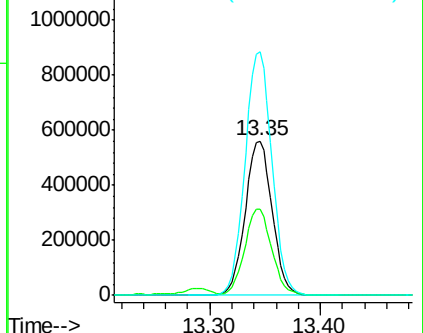
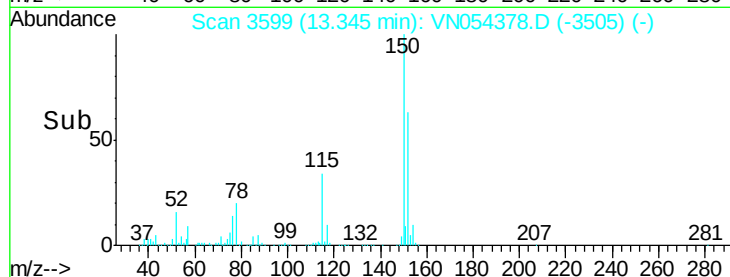
150 157.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.552 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054378.D

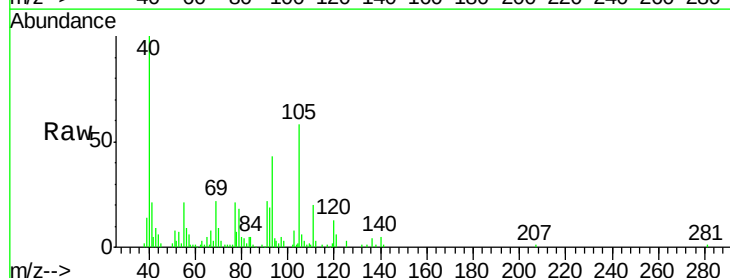
Acq: 17 Mar 2019 11:02

Tgt Ion:105 Resp: 41846

Ion Ratio Lower Upper

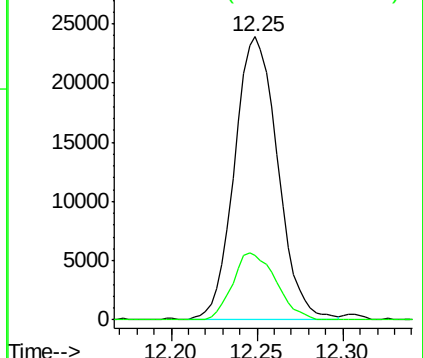
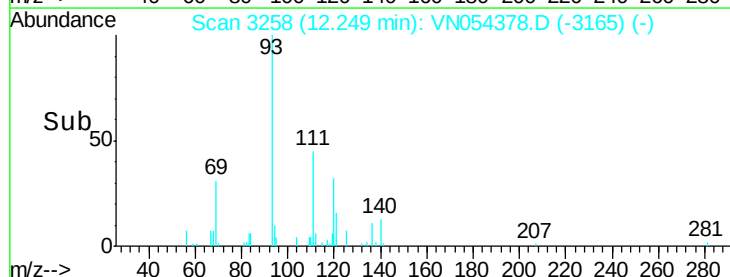
105 100

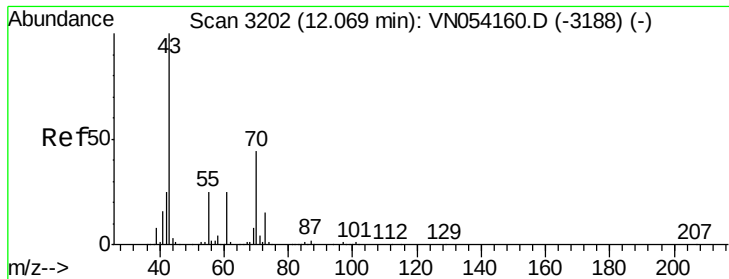
120 23.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 2.328 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

Tot Ion: 43 Resp: 39182

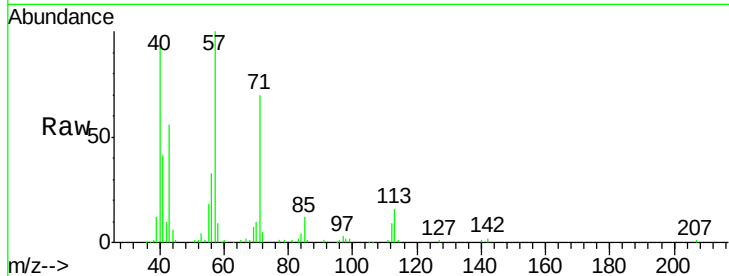
Ion Ratio Lower Upper

43 100

70 13.6 35.4 53.0#

55 8.2 19.8 29.6#

61 0.0 19.8 29.6#

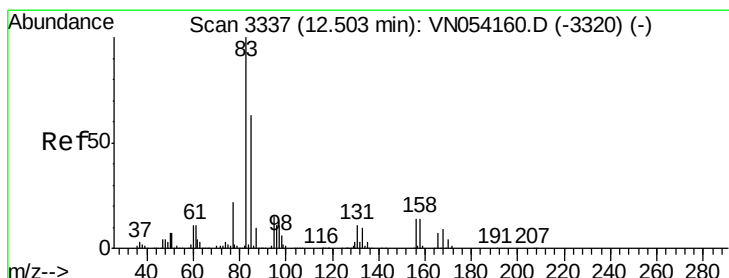
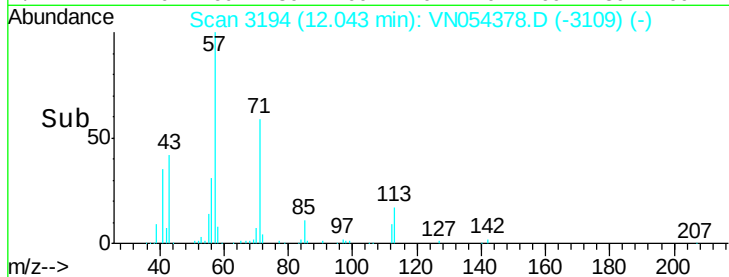
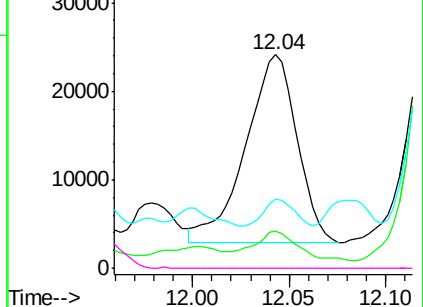


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.656 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

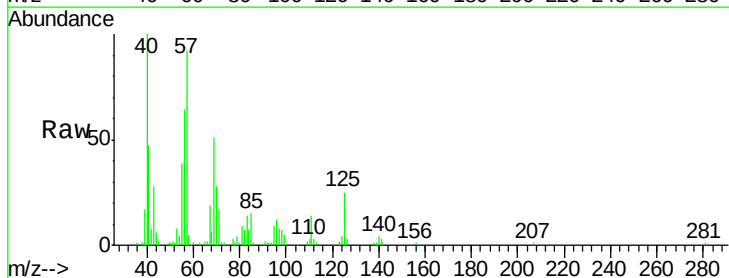
Tgt Ion: 83 Resp: 10598

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

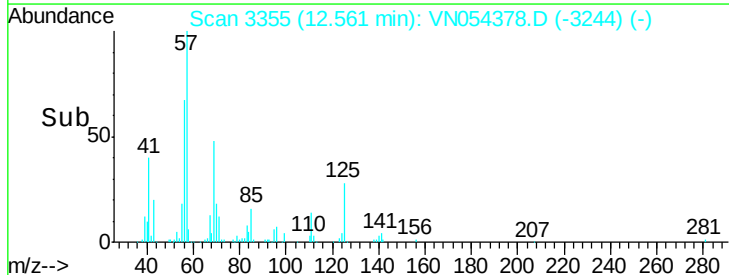
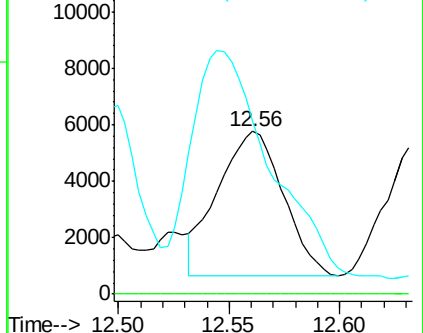
85 187.9 32.2 96.6#

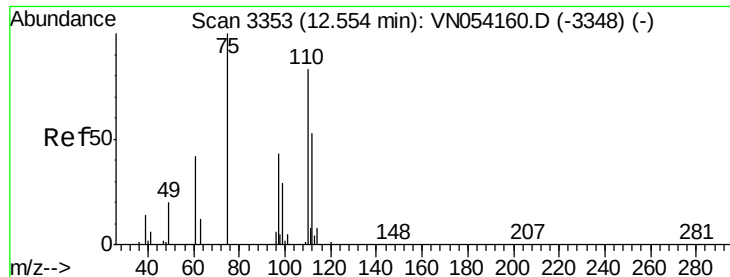


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 32.634 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

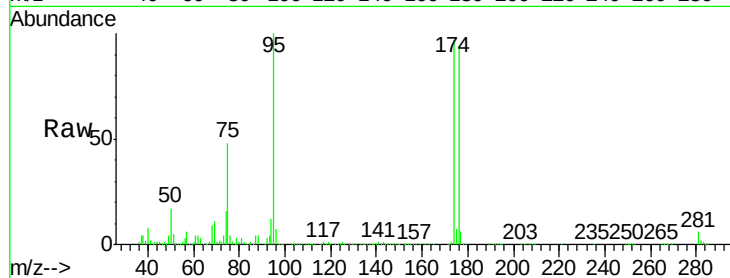
OVS

Tot Ion: 75 Resp: 454876

Ion Ratio Lower Upper

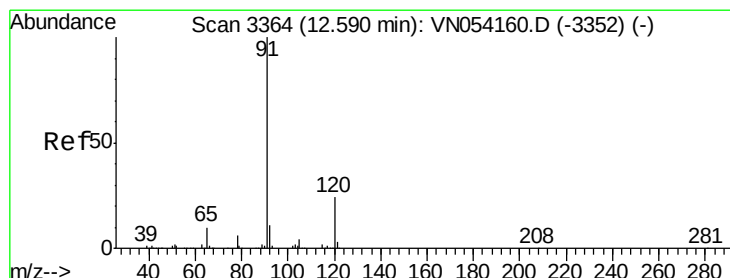
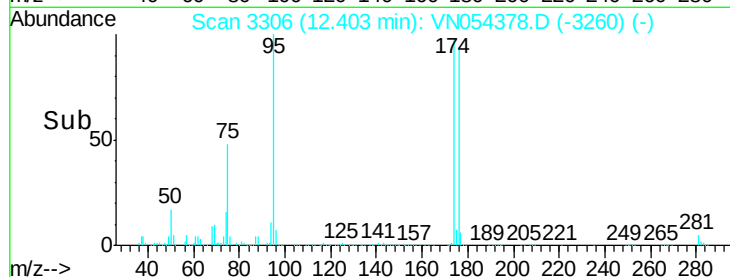
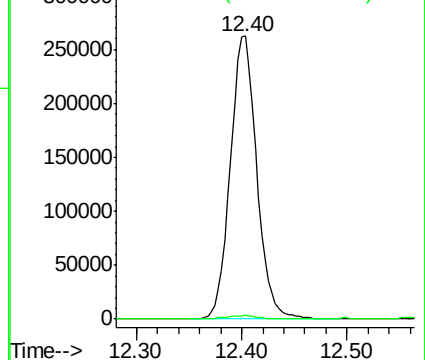
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.838 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054378.D

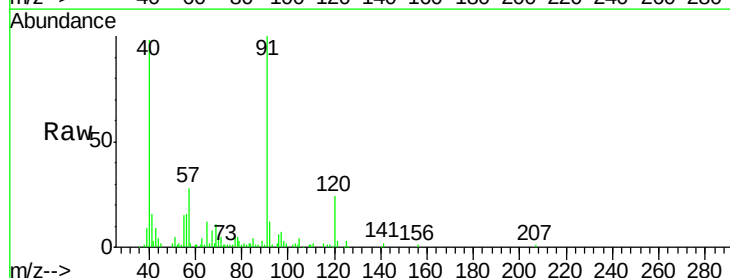
Acq: 17 Mar 2019 11:02

Tgt Ion: 91 Resp: 68958

Ion Ratio Lower Upper

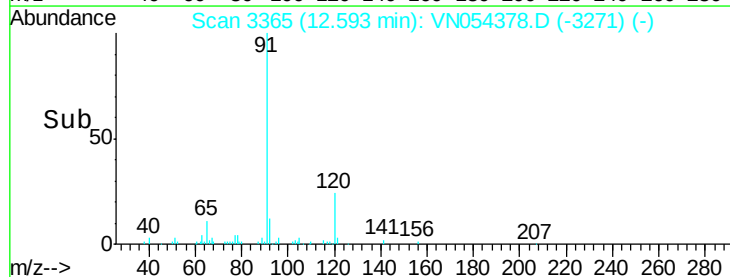
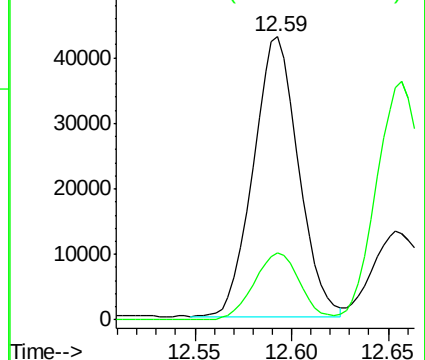
91 100

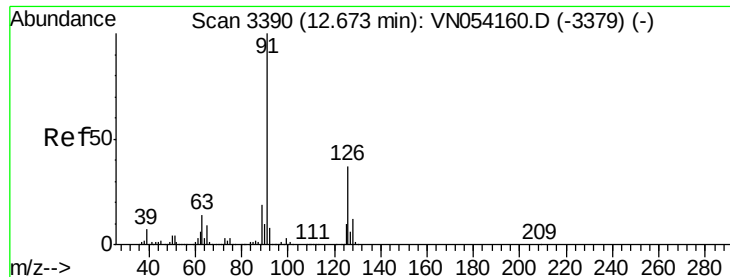
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.412 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

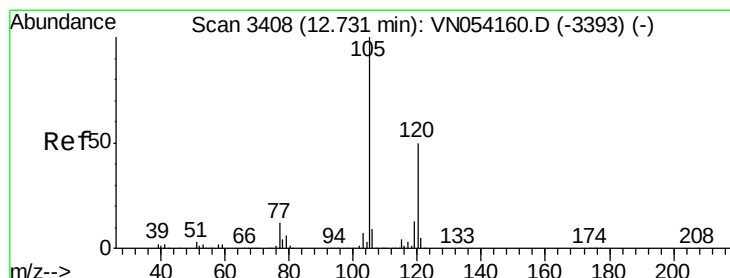
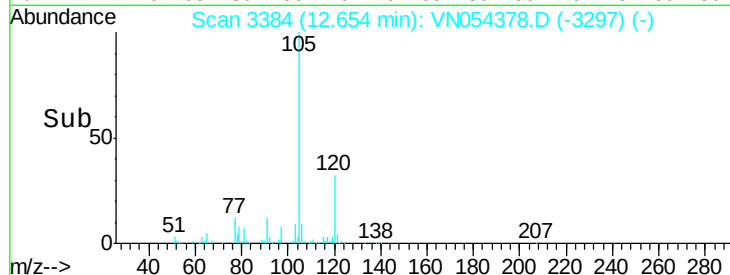
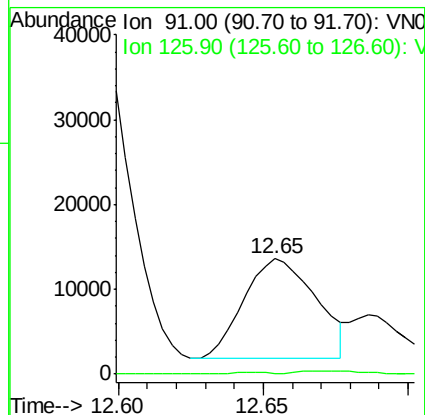
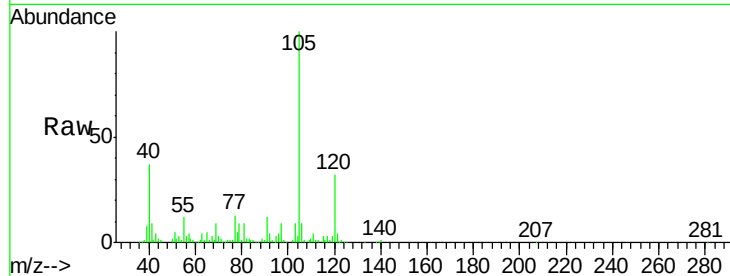
OVS

Tot Ion: 91 Resp: 20373

Ion Ratio Lower Upper

91 100

126 0.8 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 1.772 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054378.D

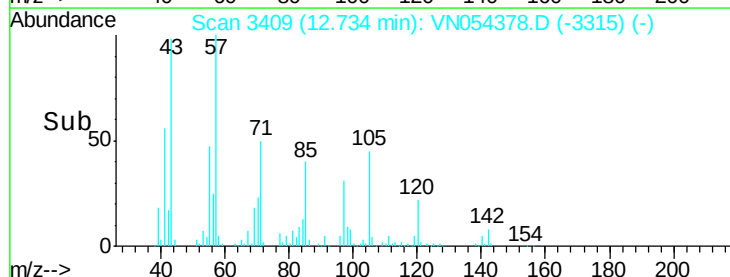
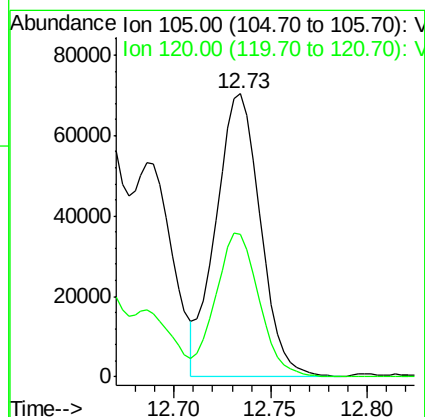
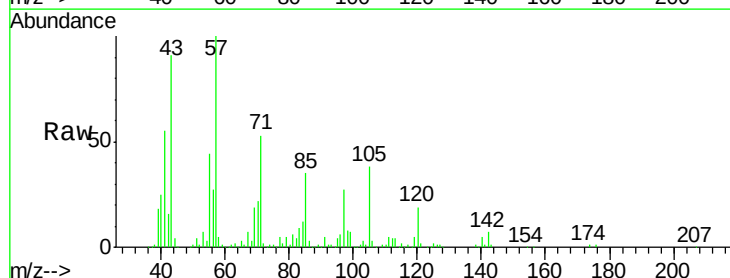
Acq: 17 Mar 2019 11:02

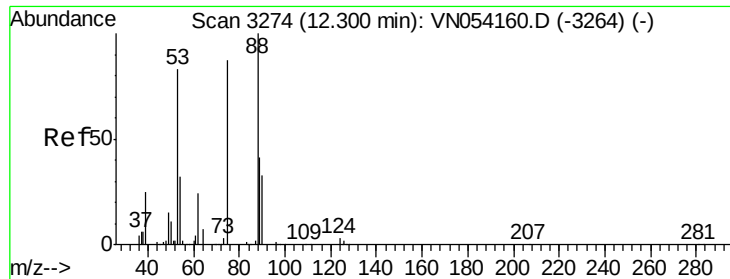
Tgt Ion: 105 Resp: 111792

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0

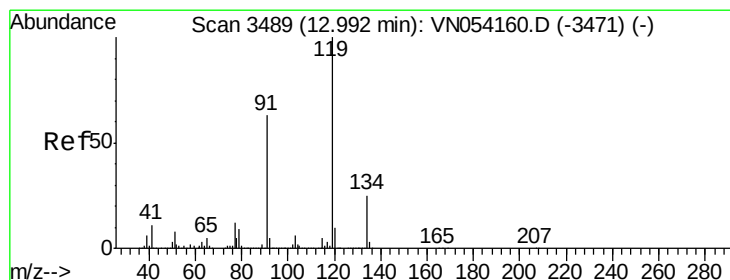
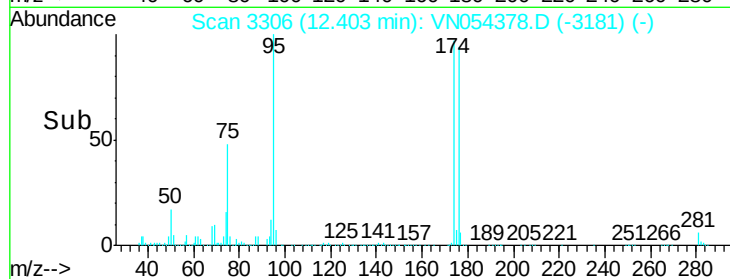
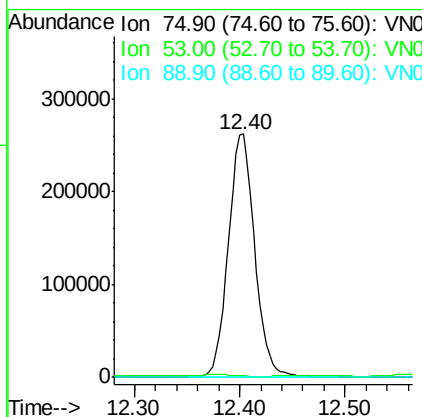
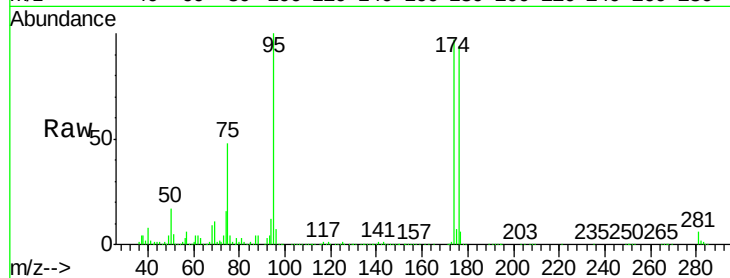




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.557 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

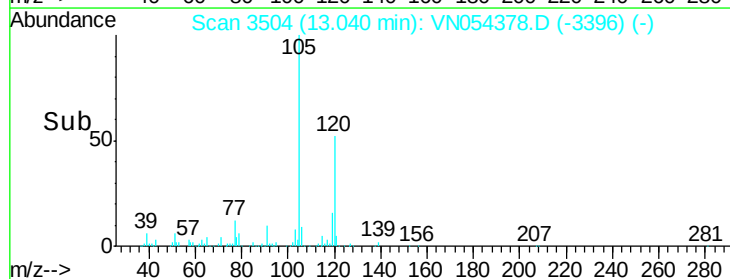
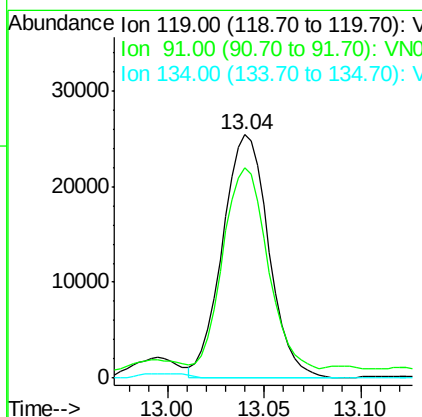
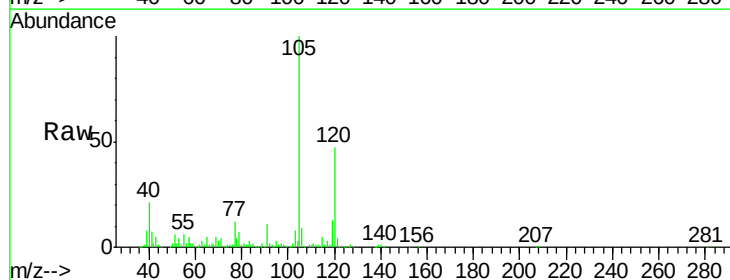
Instrument :
 MSVOA_N
 ClientSampleId :
 OWS

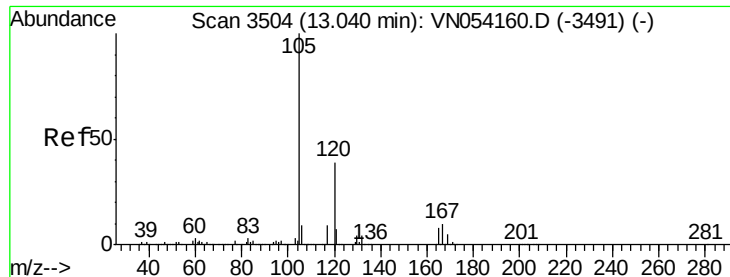
Tot Ion: 75 Resp: 454876
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#



#83
 tert-Butylbenzene
 Concen: 0.727 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

Tgt Ion: 119 Resp: 42192
 Ion Ratio Lower Upper
 119 100
 91 78.7 30.9 92.8
 134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 5.425 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

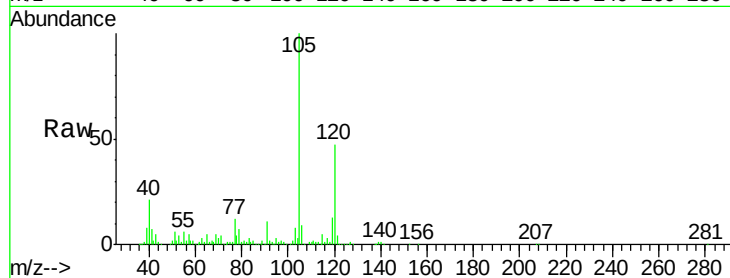
OVS

Tot Ion:105 Resp: 335734

Ion Ratio Lower Upper

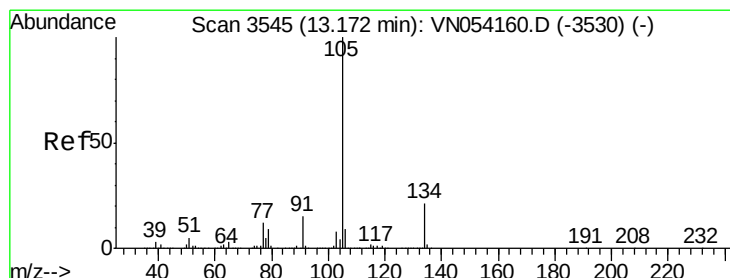
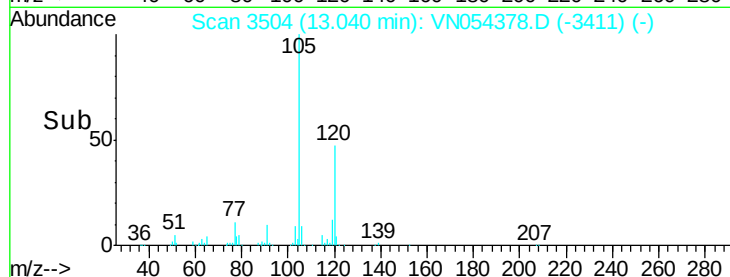
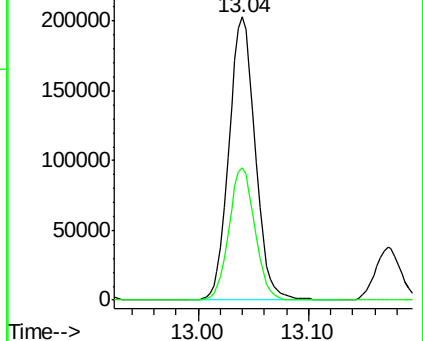
105 100

120 46.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.810 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054378.D

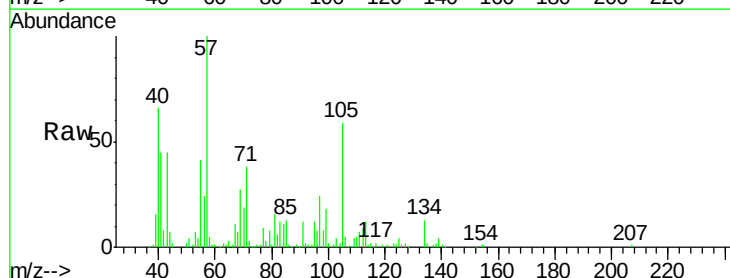
Acq: 17 Mar 2019 11:02

Tgt Ion:105 Resp: 60970

Ion Ratio Lower Upper

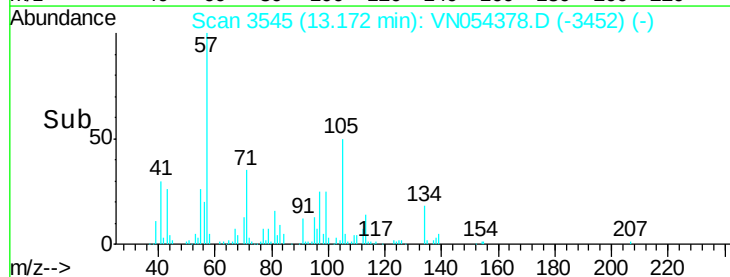
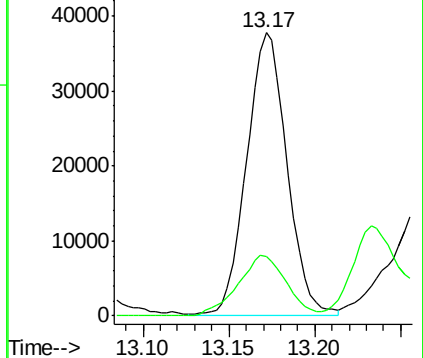
105 100

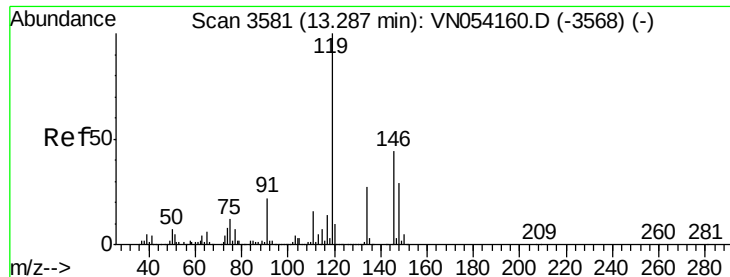
134 25.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

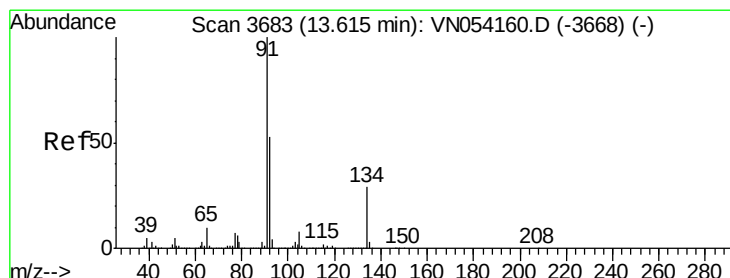
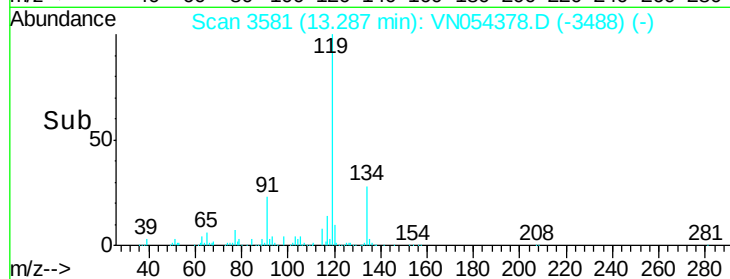
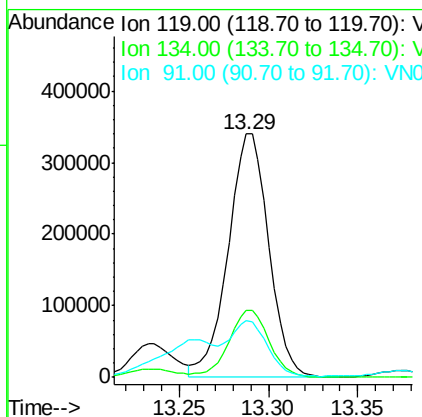
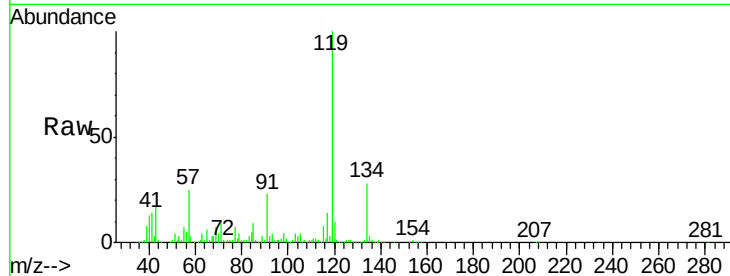




#86
 p-Isopropyltoluene
 Concen: 8.145 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

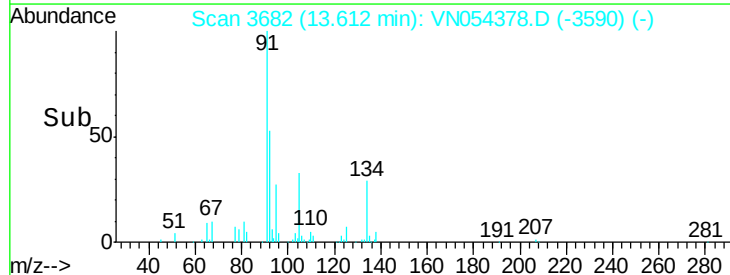
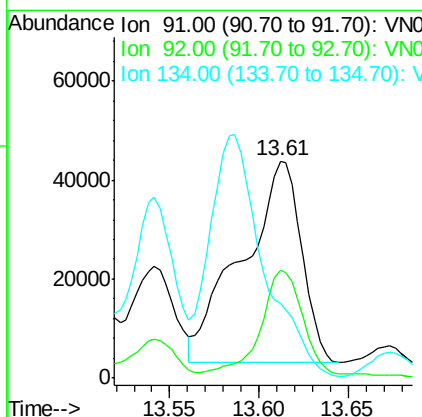
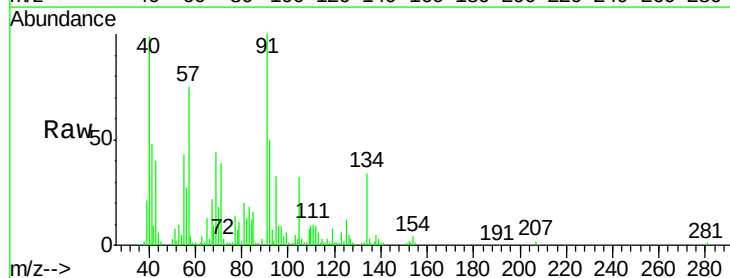
Instrument :
 MSVOA_N
 ClientSampled :
 OWS

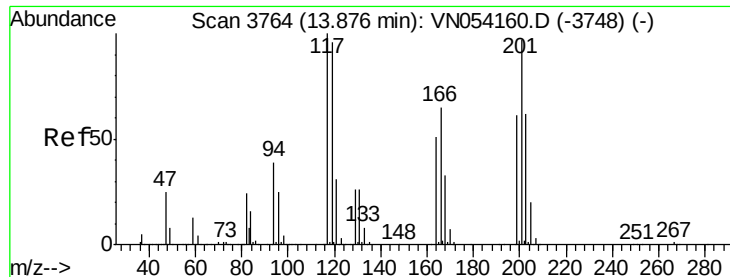
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.6	40.8
91	21.5	11.1	33.3



#89
 n-Butylbenzene
 Concen: 1.883 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054378.D
 Acq: 17 Mar 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	37.0	26.2	78.6
134	0.0	14.3	42.9





#90

Hexachloroethane

Concen: 1.519 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

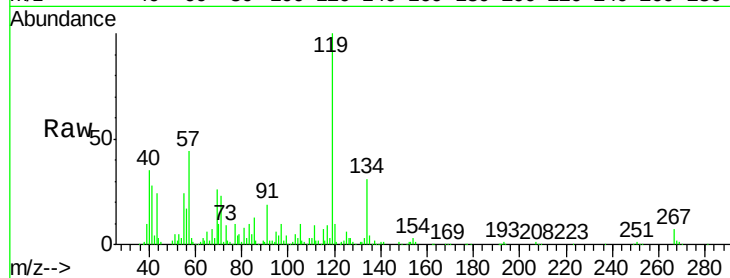
OVS

Tot Ion:117 Resp: 16610

Ion Ratio Lower Upper

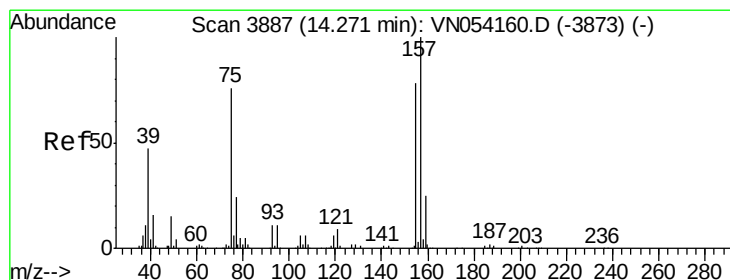
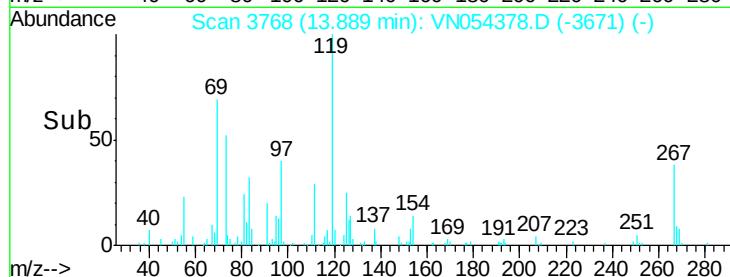
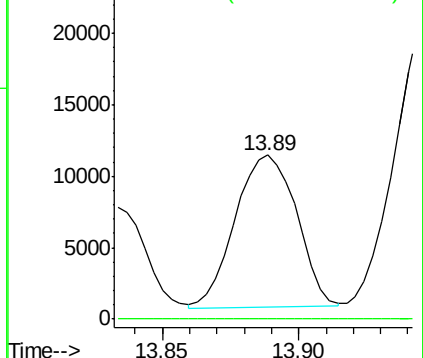
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.266 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

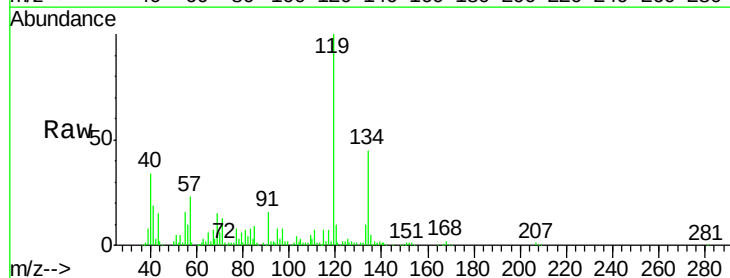
Tgt Ion: 75 Resp: 664

Ion Ratio Lower Upper

75 100

155 14.3 50.1 150.3#

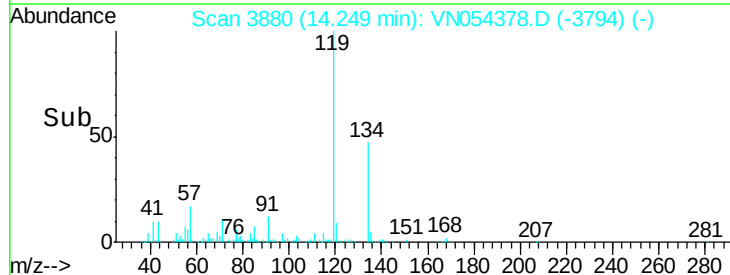
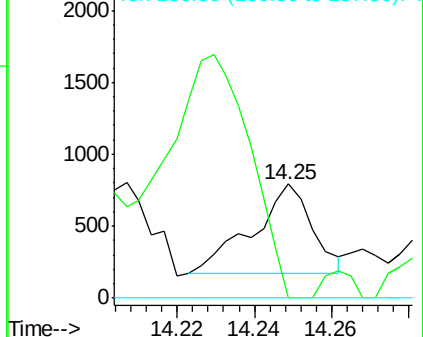
157 0.0 63.1 189.3#

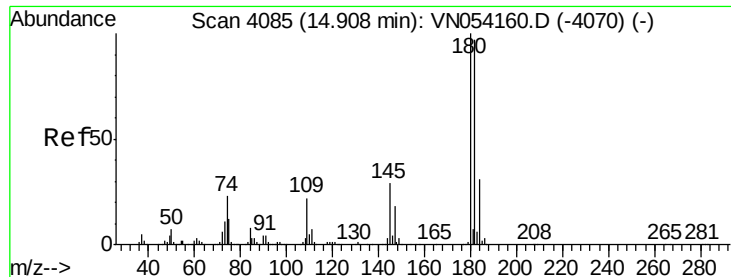


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.557 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OVS

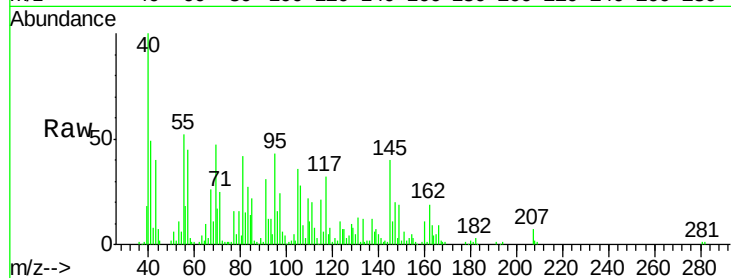
Tot Ion:180 Resp: 847

Ion Ratio Lower Upper

180 100

182 174.9 48.0 144.2#

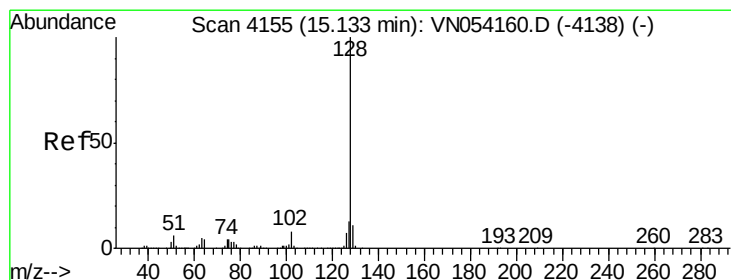
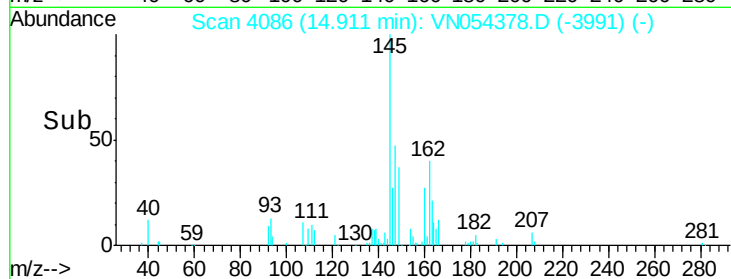
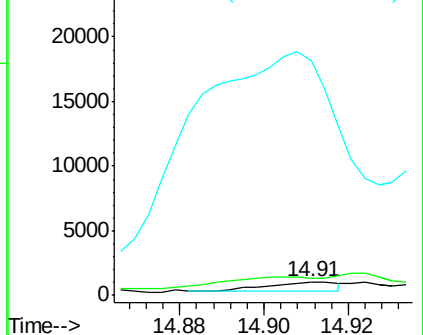
145 5135.4 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 8.843 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

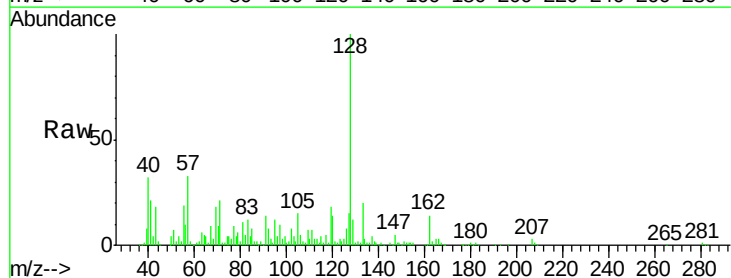
Tgt Ion:128 Resp: 240064

Ion Ratio Lower Upper

128 100

127 15.3 10.1 15.1#

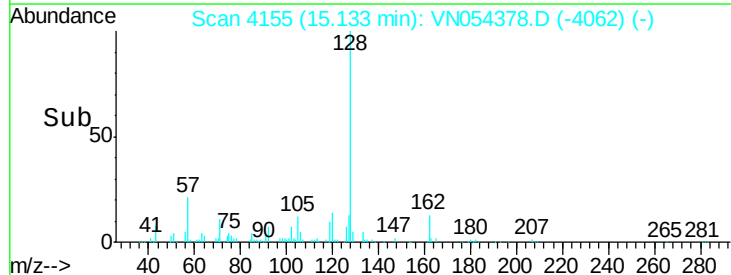
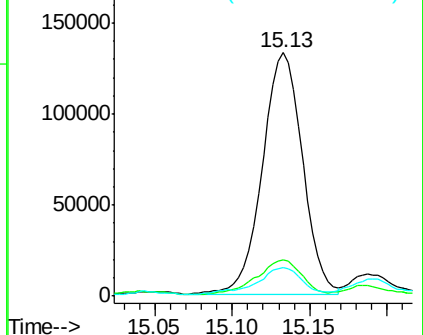
129 12.4 8.7 13.1

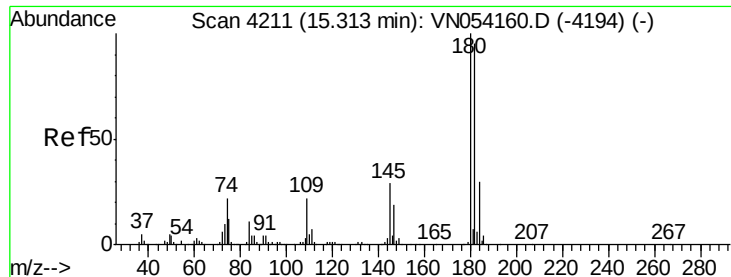


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.393 ug/l

RT: 15.33 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN054378.D

Acq: 17 Mar 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

OWS

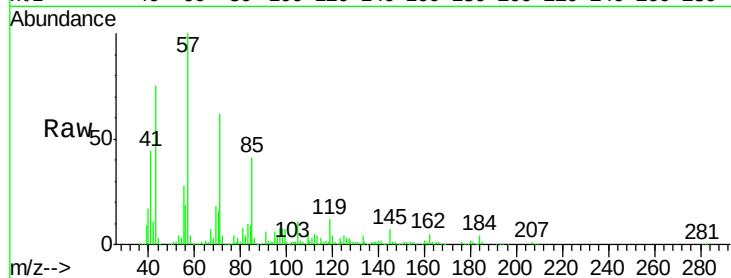
Tot Ion:180 Resp: 6910

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 610.8 14.8 44.3#



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

