

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049899.D
 Acq On : 19 Jul 2018 3:35
 Operator : MD\SY
 Sample : J3357-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:08:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	719538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1049739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	913392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461137	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	417583	42.22	ug/l	0.00
Spiked Amount			Recovery	=	84.44%	
35) Dibromofluoromethane	7.59	113	377248	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	
50) Toluene-d8	10.09	98	1499676	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.40	95	477085	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	10518	1.07	ug/l	99
5) Bromomethane	2.55	94	227	Below Cal	#	2
8) Diethyl Ether	3.12	74	1191	0.24	ug/l	1
11) Tert butyl alcohol	4.80	59	4728	6.71	ug/l	72
13) Acrolein	3.55	56	31859	70.17	ug/l	1
14) Allyl chloride	4.40	41	136268	11.08	ug/l	68
15) Acrylonitrile	5.05	53	177769	57.37	ug/l	40
16) Acetone	3.79	43	404671	158.04	ug/l	52
18) Methyl Acetate	4.58	43	8545321	1079.04	ug/l	50
20) Methylene Chloride	4.41	84	42890	4.40	ug/l	15
23) Vinyl Acetate	5.92	43	80642	4.58	ug/l	77
25) 2-Butanone	6.63	43	722710	197.49	ug/l	47
26) 2,2-Dichloropropane	6.63	77	61745	4.93	ug/l	52
27) cis-1,2-Dichloroethene	6.83	96	5187	0.57	ug/l	79
28) Bromochloromethane	7.38	49	5988	0.82	ug/l	11
29) Tetrahydrofuran	7.22	42	3295	1.43	ug/l	32
30) Chloroform	7.32	83	129521	7.83	ug/l	19
31) Cyclohexane	7.65	56	3077674	234.76	ug/l	98
36) 1,1-Dichloropropene	7.66	75	51909	4.45	ug/l	35
37) Ethyl Acetate	6.81	43	13364	1.67	ug/l	41
38) Carbon Tetrachloride	7.66	117	64696	5.17	ug/l	15
39) Methylcyclohexane	9.08	83	2611763	216.60	ug/l	99
40) Benzene	8.04	78	67449	1.90	ug/l	98
41) Methacrylonitrile	7.20	41	37527	9.34	ug/l	38
42) 1,2-Dichloroethane	8.16	62	4526	0.38	ug/l	1
43) Isopropyl Acetate	8.15	43	155329	11.09	ug/l	63
44) Trichloroethene	8.83	130	4029	0.43	ug/l	1
47) Bromodichloromethane	9.39	83	37826	3.07	ug/l	26
48) Methyl methacrylate	9.27	41	248862	35.43	ug/l	49
51) 4-Methyl-2-Pentanone	10.02	43	13984	1.79	ug/l	72
52) Toluene	10.16	92	182825	8.62	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	184750	21.07	ug/l	19
56) Ethyl methacrylate	10.43	69	19679	3.76	ug/l	40
58) 2-Chloroethyl Vinyl ether	9.66	63	5608	1.20	ug/l	48

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

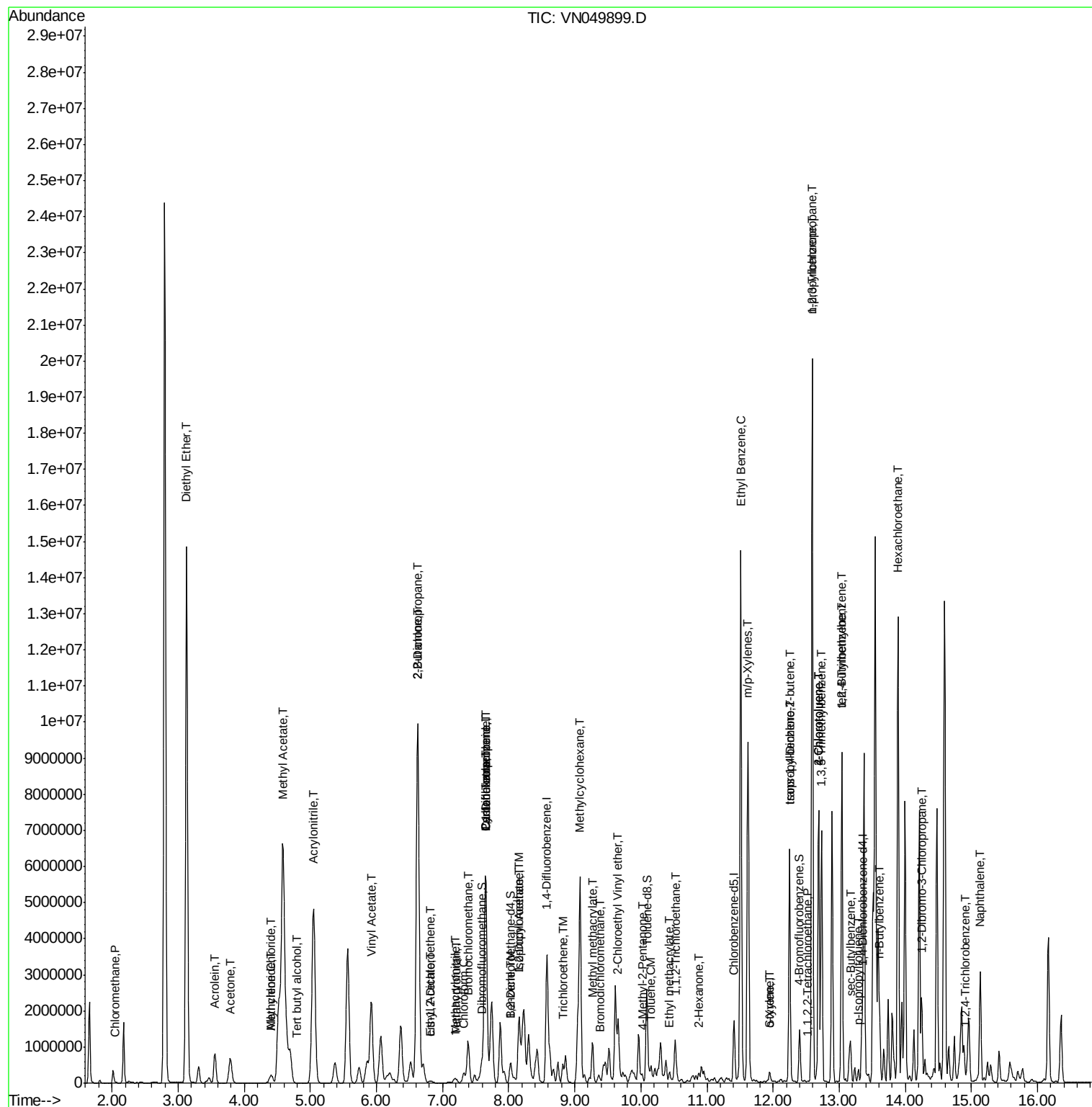
59) 2-Hexanone	10.88	43	9829	1.87	ug/l	94
67) Ethyl Benzene	11.51	91	10838706	291.14	ug/l	99
68) m/p-Xylenes	11.62	106	3144949	223.16	ug/l	99
69) o-Xylene	11.95	106	71130	5.26	ug/l	97
70) Styrene	11.95	104	4991	0.23	ug/l #	1
73) Isopropylbenzene	12.25	105	4313971	123.16	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.53	83	2629	0.25	ug/l #	95
76) 1,2,3-Trichloropropane	12.59	75	91418	10.57	ug/l #	100
78) n-propylbenzene	12.59	91	15031057	377.44	ug/l	96
79) 2-Chlorotoluene	12.69	91	558954	22.86	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	3883393	138.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.25	75	48993	17.71	ug/l #	64
82) 4-Chlorotoluene	12.69	91	558954	22.79	ug/l #	40
83) tert-Butylbenzene	13.04	119	634268	25.72	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.04	105	5173308	181.90	ug/l	100
85) sec-Butylbenzene	13.17	105	699418	21.47	ug/l #	65
86) p-Isopropyltoluene	13.29	119	191963	6.91	ug/l	99
89) n-Butylbenzene	13.62	91	1221408	53.26	ug/l #	72
90) Hexachloroethane	13.89	117	681463	109.31	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6829	4.21	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	684	3.55	ug/l #	54
95) Naphthalene	15.13	128	2606621	113.11	ug/l	100

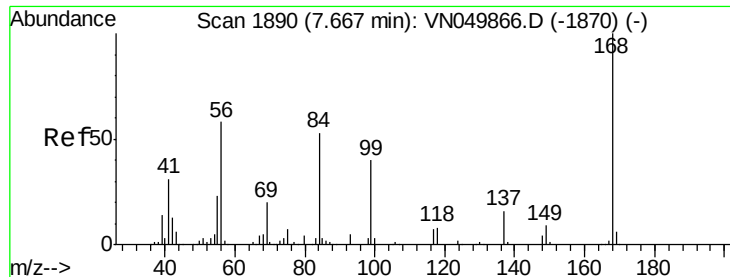
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

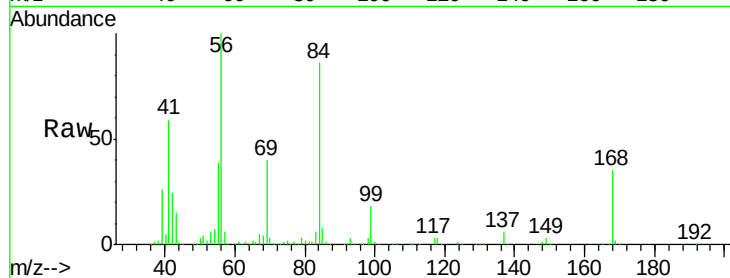
ClientSampleId :

Tot Ion:168 Resp: 719538

Ion Ratio Lower Upper

168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049866.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN049866.D (-1870) (-)

7.66

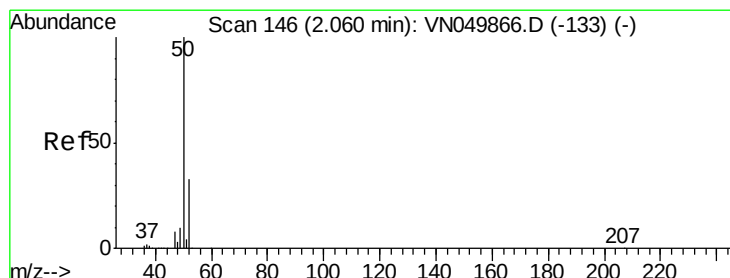
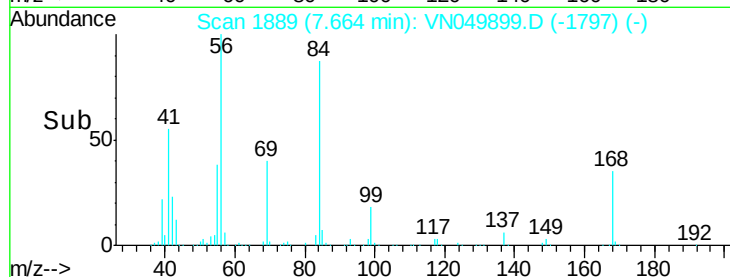
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 1.07 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049899.D

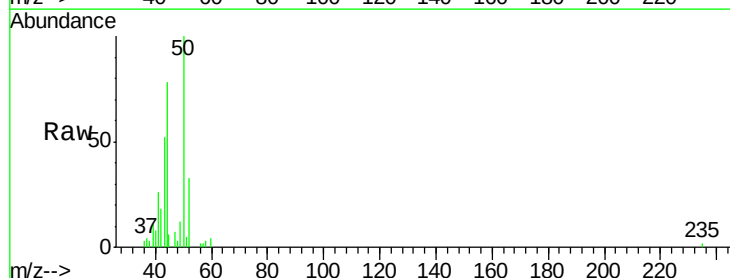
Acq: 19 Jul 2018 3:35

Tgt Ion: 50 Resp: 10518

Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN049866.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049866.D (-133) (-)

2.06

8000

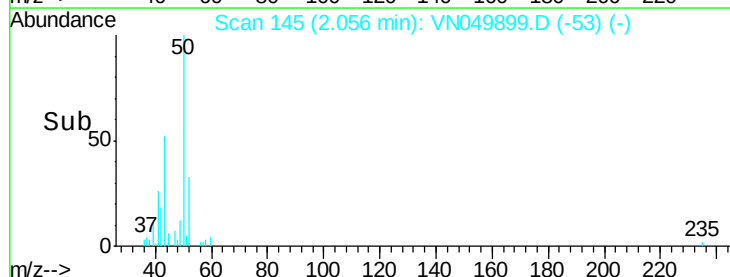
6000

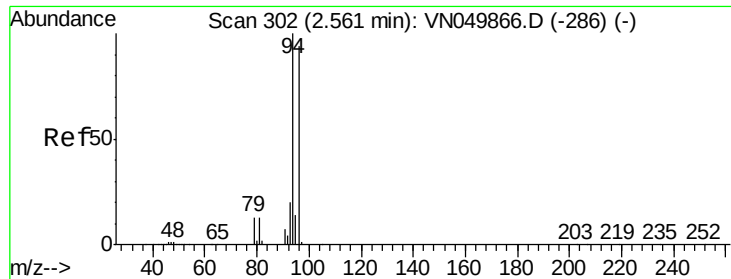
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 300

Delta R.T. -0.01 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

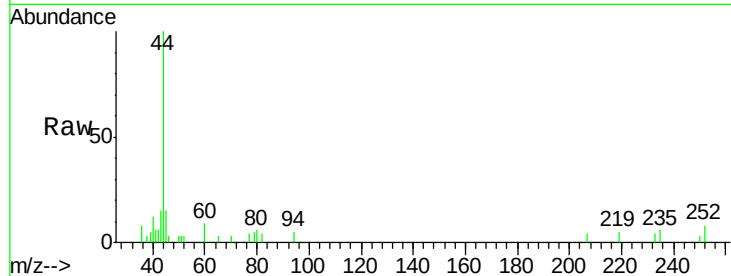
ClientSampled :

Tot Ion: 94 Resp: 227

Ion Ratio Lower Upper

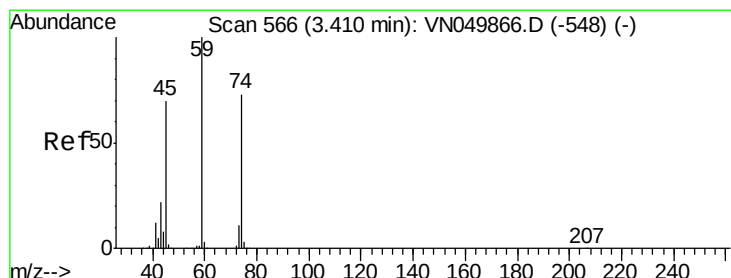
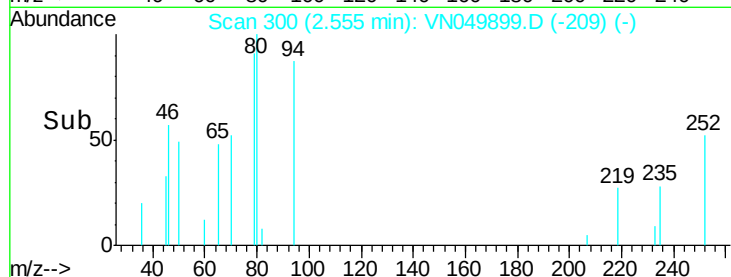
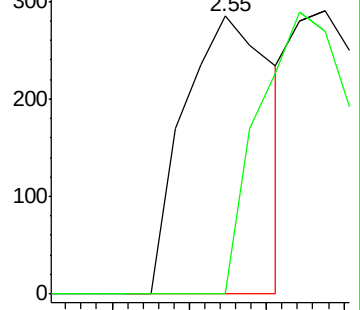
94 100

96 0.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.24 ug/l

RT: 3.12 min Scan# 477

Delta R.T. -0.29 min

Lab File: VN049899.D

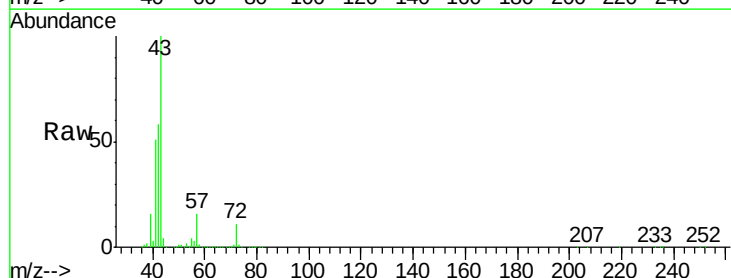
Acq: 19 Jul 2018 3:35

Tgt Ion: 74 Resp: 1191

Ion Ratio Lower Upper

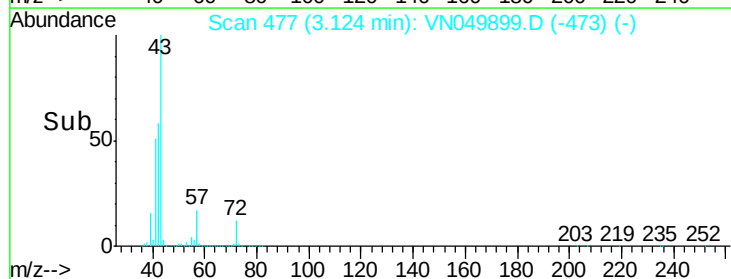
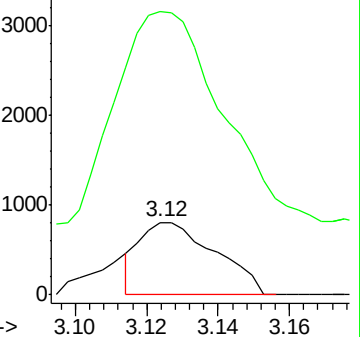
74 100

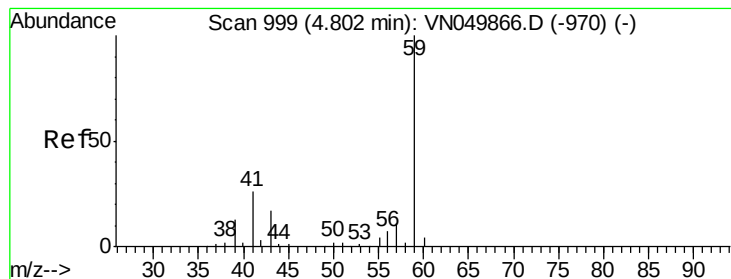
45 322.0 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



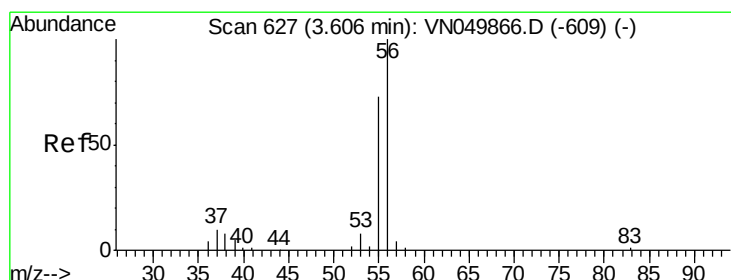
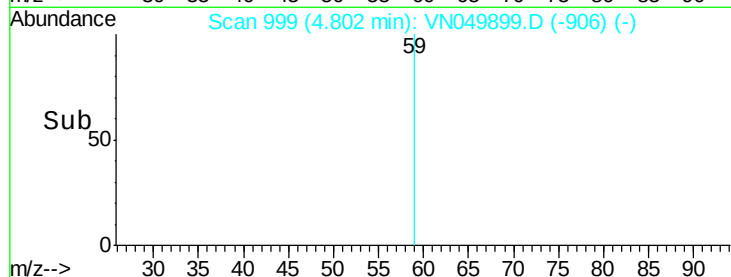
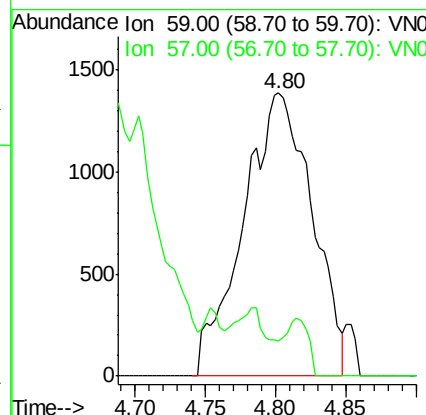
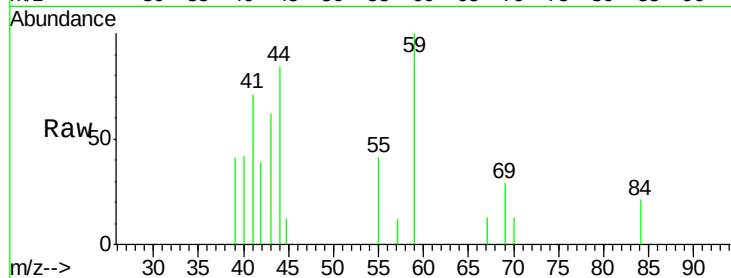


#11

Tert butyl alcohol
 Concen: 6.71 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN049899.D
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 ClientSampleId :

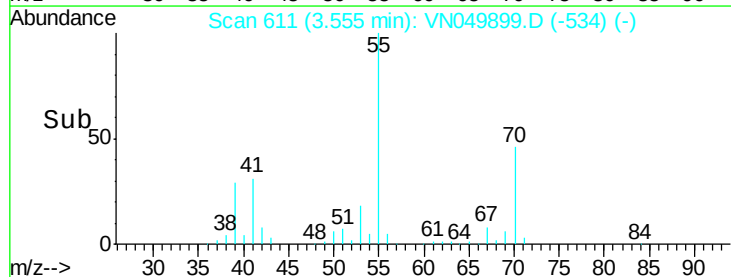
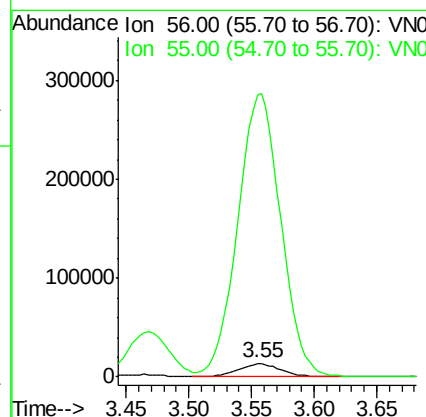
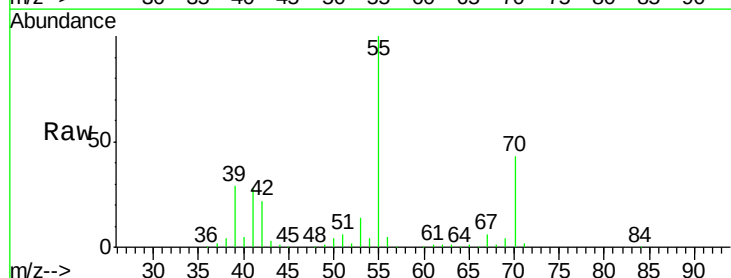
Tot Ion: 59 Resp: 4728
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

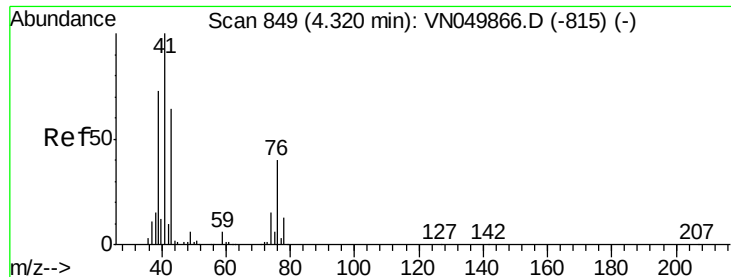


#13

Acrolein
 Concen: 70.17 ug/l
 RT: 3.55 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 56 Resp: 31859
 Ion Ratio Lower Upper
 56 100
 55 2141.4 55.8 83.8#

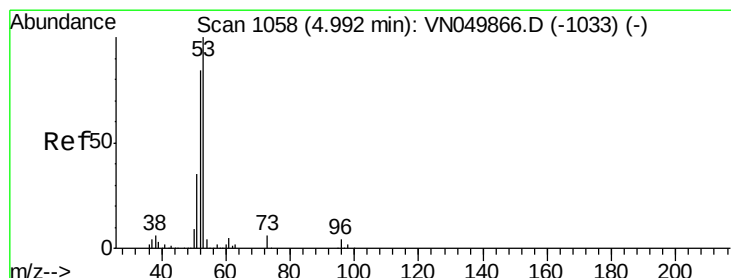
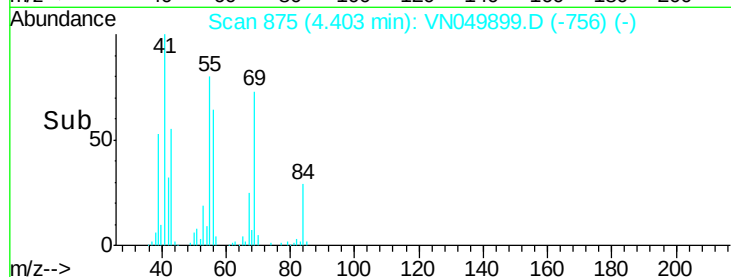
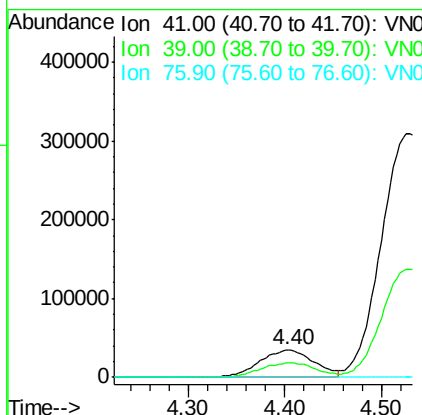
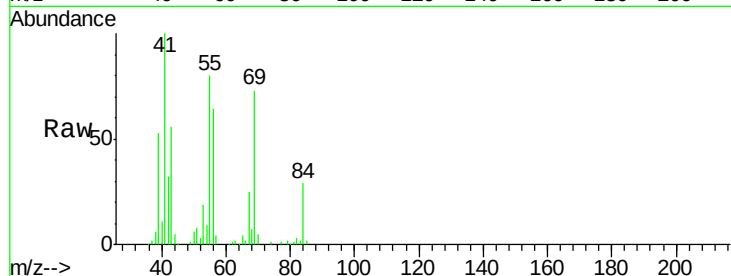




#14
Allvl chloride
Concen: 11.08 ug/l
RT: 4.40 min Scan# 875
Delta R.T. 0.08 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

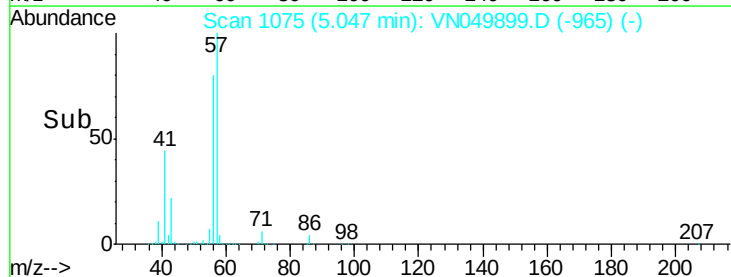
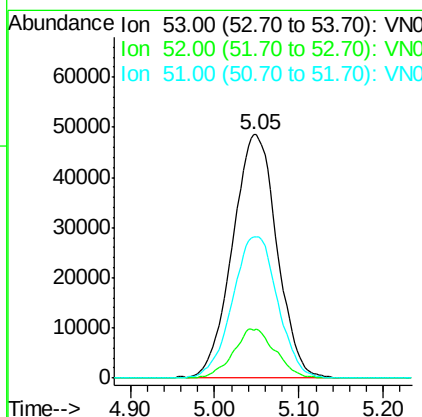
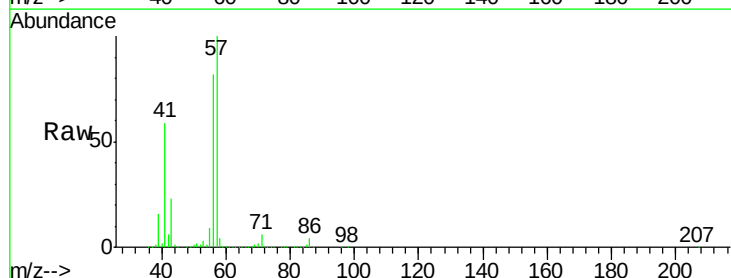
Instrument :
MSVOA_N
ClientSampled :

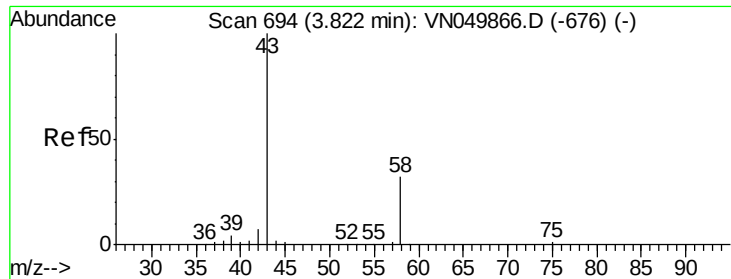
Tot Ion: 41 Resp: 136268
Ion Ratio Lower Upper
41 100
39 53.4 53.2 79.8
76 0.0 29.0 43.6#



#15
Acrylonitrile
Concen: 57.37 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.05 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 53 Resp: 177769
Ion Ratio Lower Upper
53 100
52 19.2 64.8 97.2#
51 59.1 28.9 43.3#

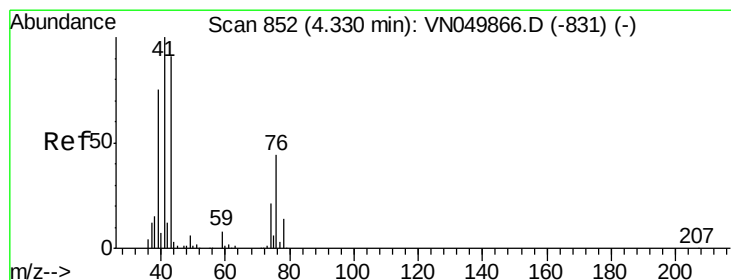
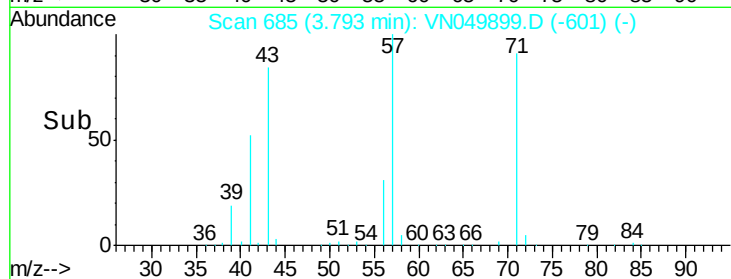
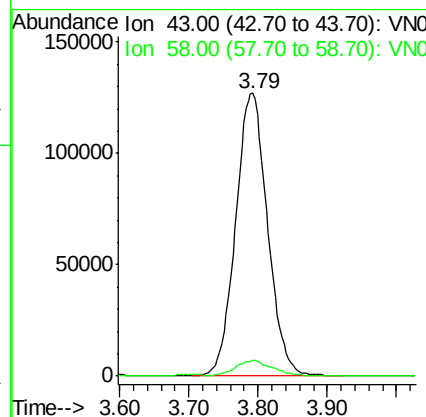
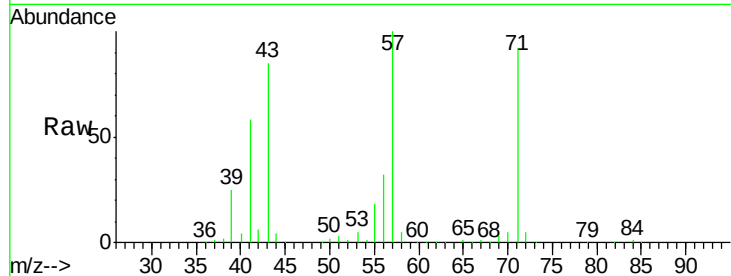




#16
Acetone
Concen: 158.04 ug/l
RT: 3.79 min Scan# 685
Delta R.T. -0.03 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

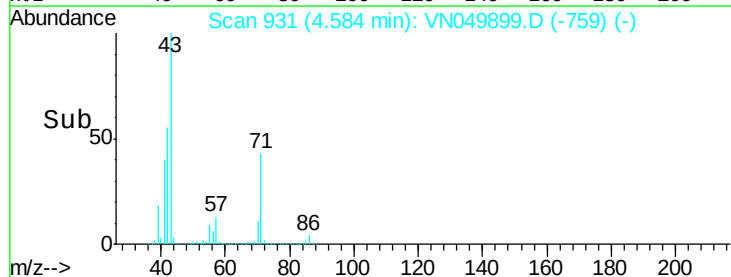
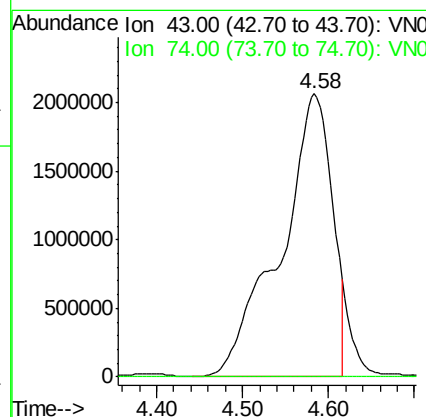
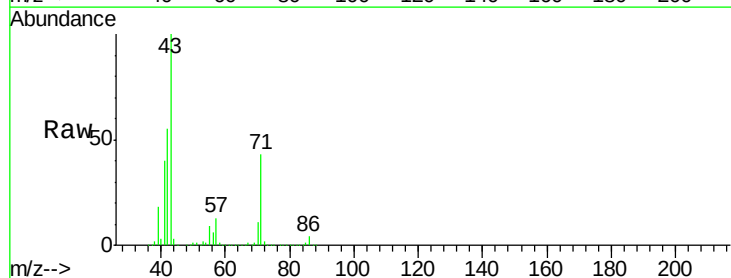
Instrument :
MSVOA_N
ClientSampled :

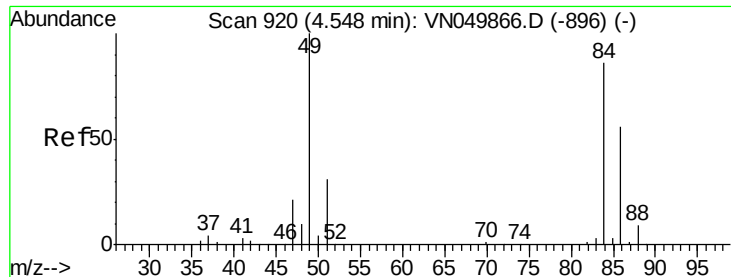
Tot Ion: 43 Resp: 404671
Ion Ratio Lower Upper
43 100
58 5.5 25.9 38.9#



#18
Methyl Acetate
Concen: 1079.04 ug/l
RT: 4.58 min Scan# 931
Delta R.T. 0.25 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 43 Resp: 8545321
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#

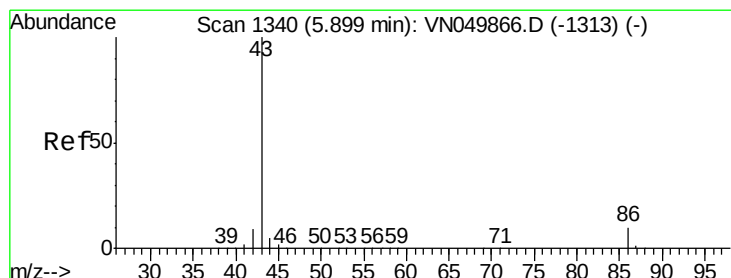
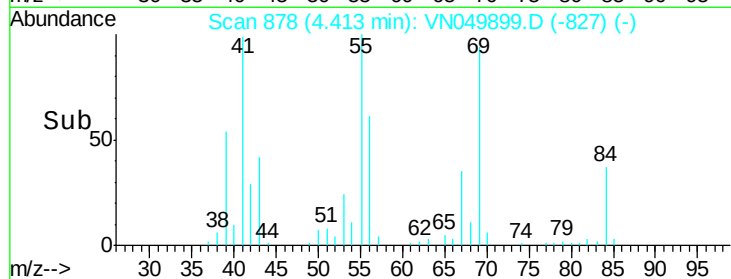
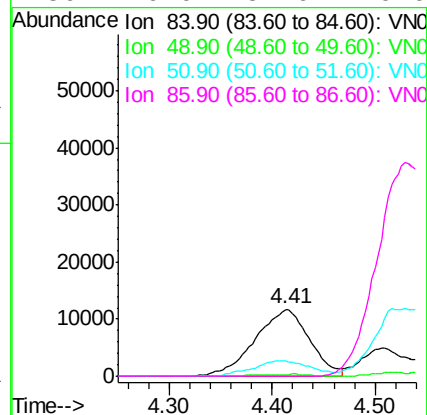
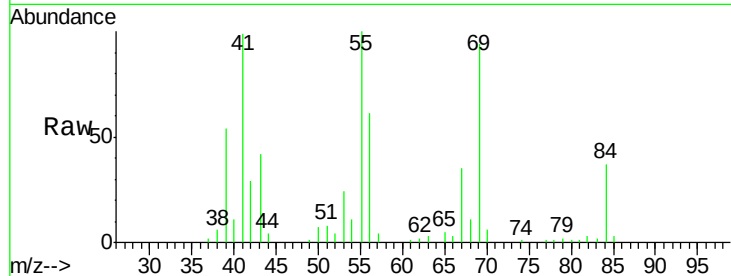




#20
Methvlene Chloride
Concen: 4.40 ug/l
RT: 4.41 min Scan# 878
Delta R.T. -0.14 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

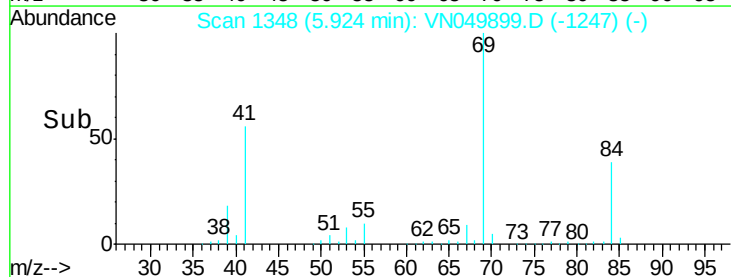
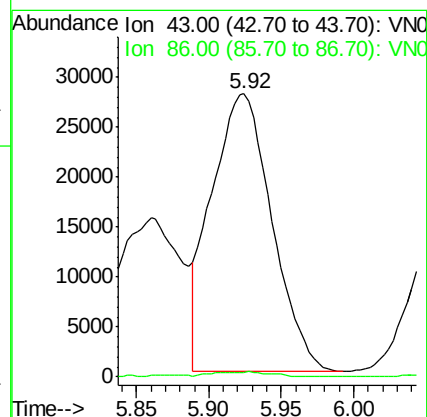
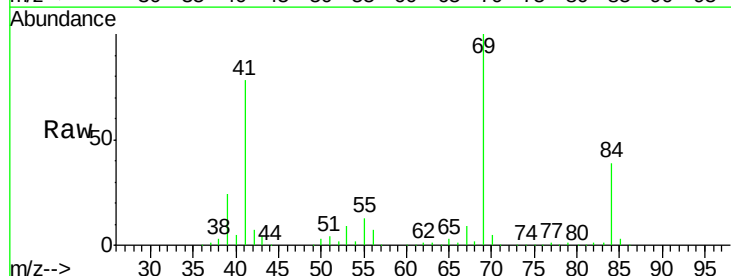
Instrument :
MSVOA_N
ClientSampled :

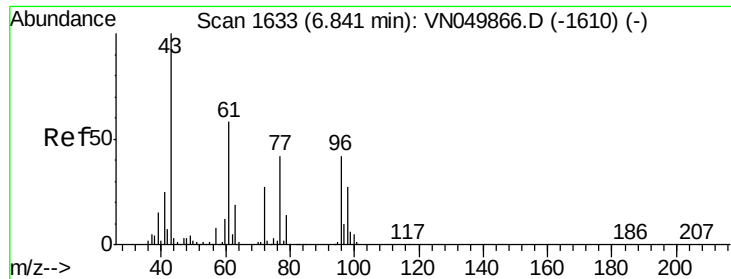
Tot Ion: 84 Resp: 42890
Ion Ratio Lower Upper
84 100
49 2.5 95.4 143.2#
51 22.3 28.4 42.6#
86 0.0 52.6 79.0#



#23
Vinyl Acetate
Concen: 4.58 ug/l
RT: 5.92 min Scan# 1348
Delta R.T. 0.03 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 43 Resp: 80642
Ion Ratio Lower Upper
43 100
86 1.8 8.4 12.6#

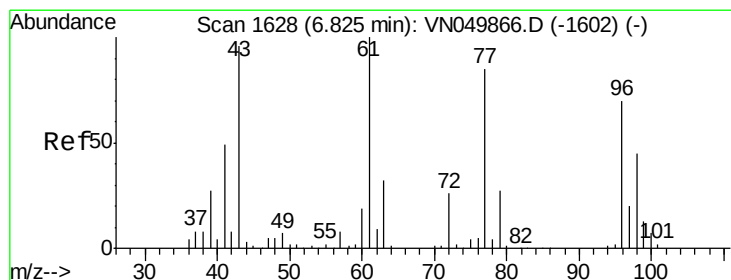
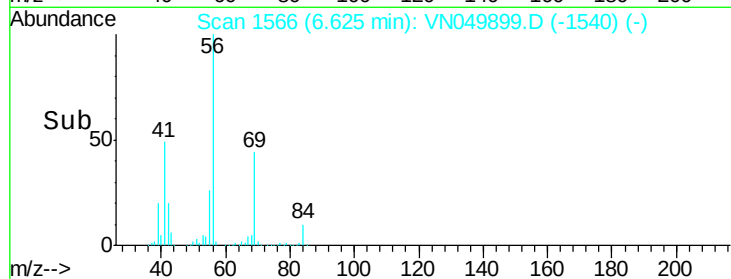
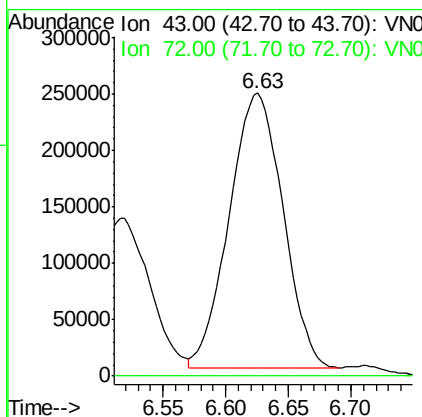
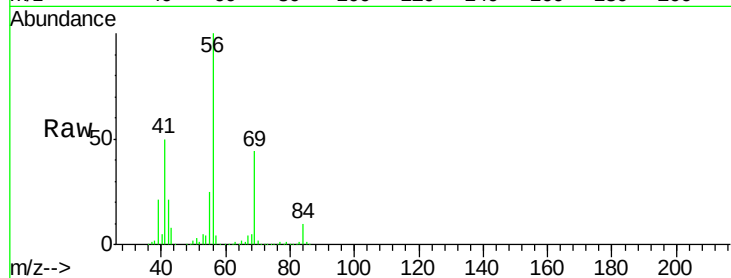




#25
 2-Butanone
 Concen: 197.49 ug/l
 RT: 6.63 min Scan# 1566
 Delta R.T. -0.22 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

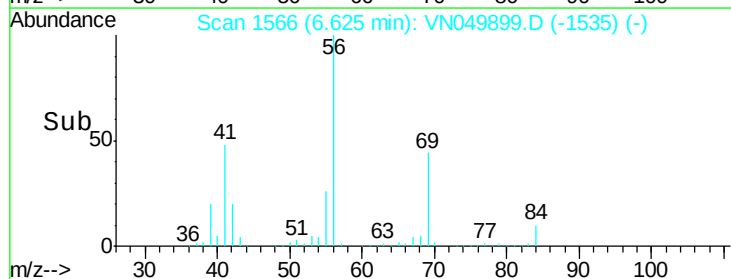
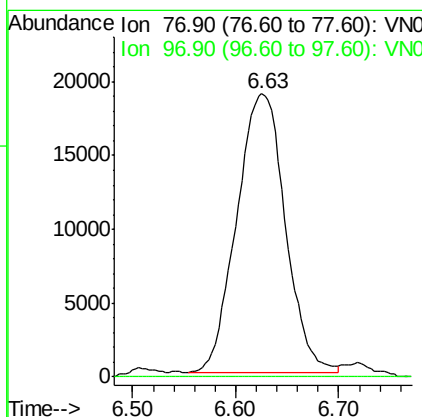
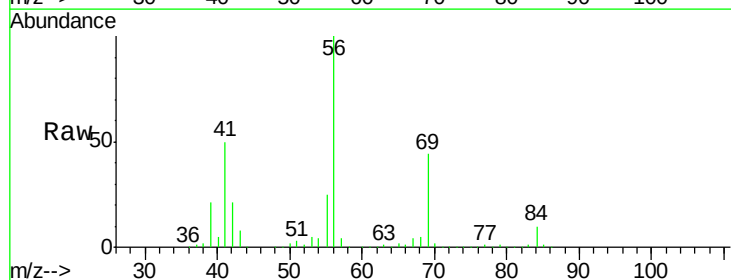
Instrument :
 MSVOA_N
 ClientSampled :

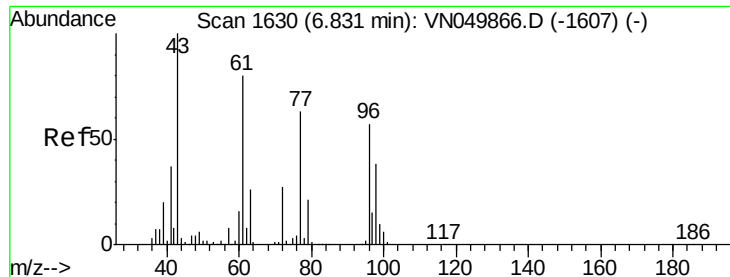
Tot Ion: 43 Resp: 722710
 Ion Ratio Lower Upper
 43 100
 72 0.1 22.1 33.1#



#26
 2,2-Dichloropropane
 Concen: 4.93 ug/l
 RT: 6.63 min Scan# 1566
 Delta R.T. -0.20 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 77 Resp: 61745
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.57 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

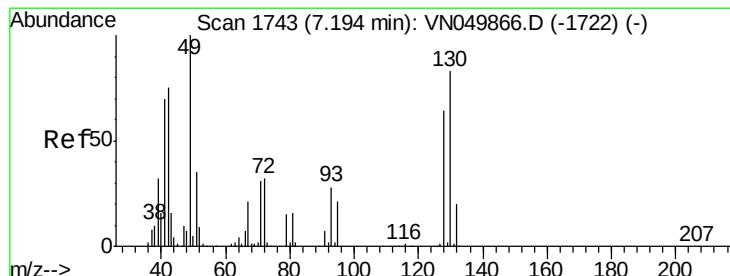
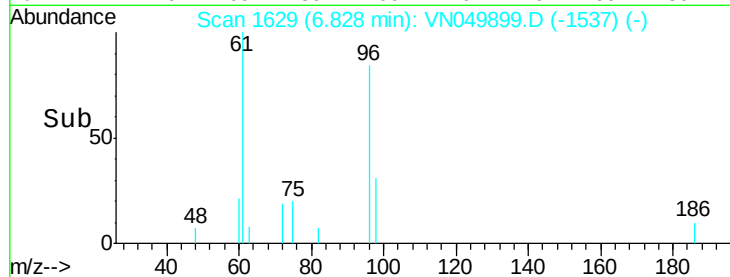
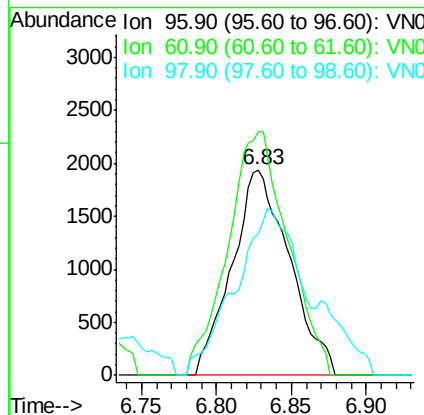
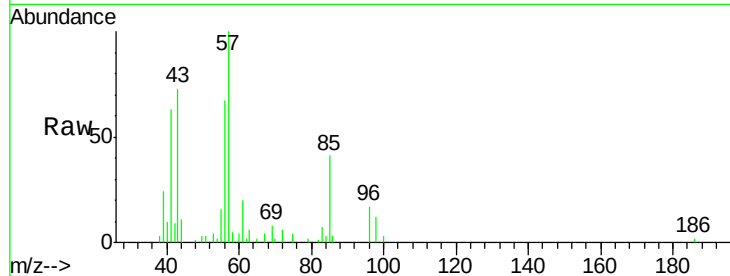
Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 5187

Ion	Ratio	Lower	Upper
96	100		
61	124.3	0.0	289.0
98	89.3	0.0	130.2



#28

Bromochloromethane

Concen: 0.82 ug/l

RT: 7.38 min Scan# 1802

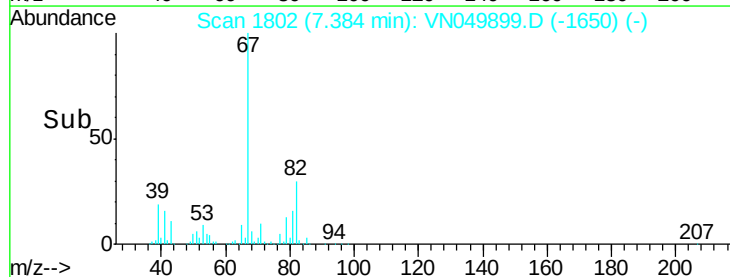
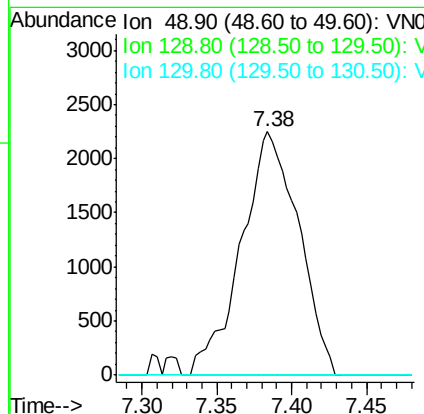
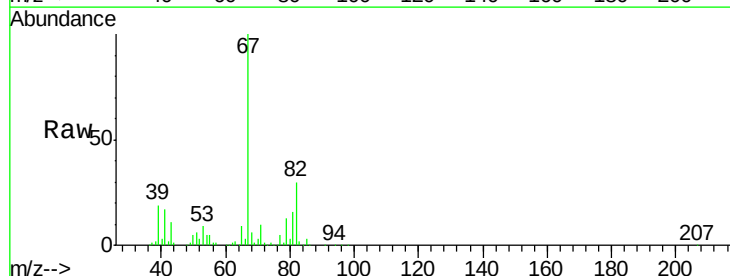
Delta R.T. 0.19 min

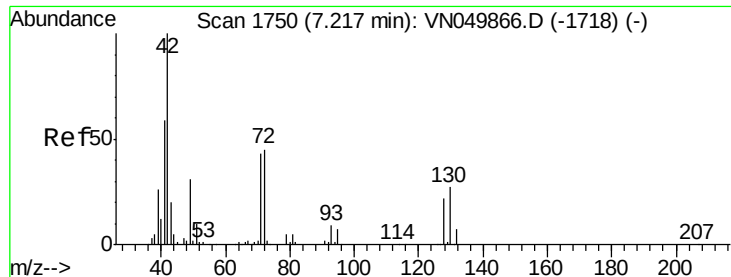
Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Tgt Ion: 49 Resp: 5988

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	65.5	98.3#

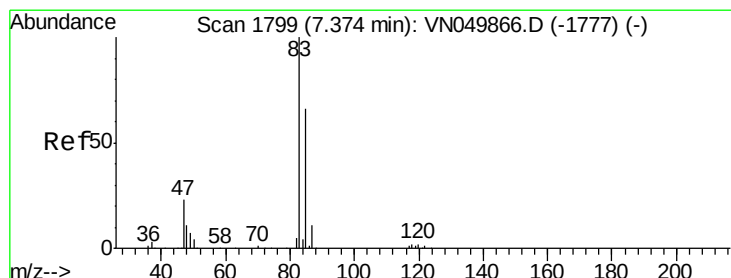
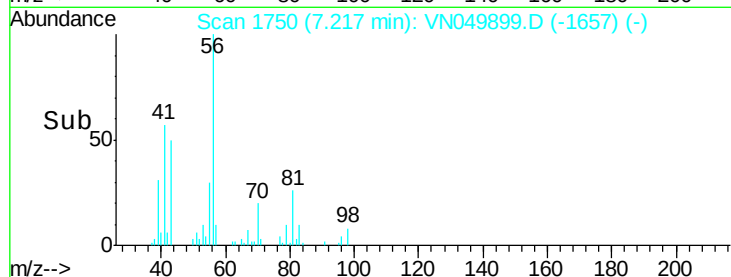
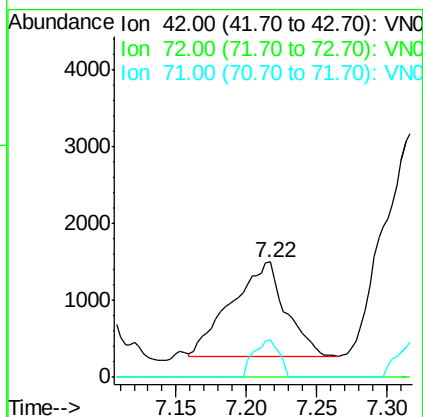
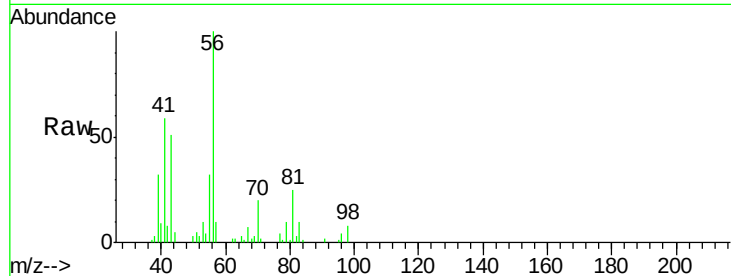




#29
Tetrahydrofuran
Concen: 1.43 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

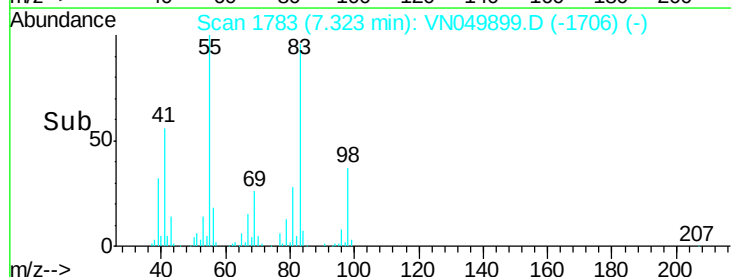
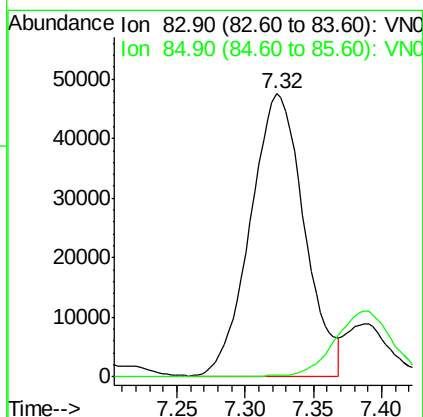
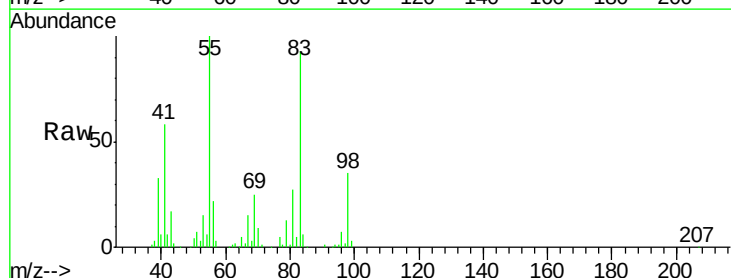
Instrument :
MSVOA_N
ClientSampled :

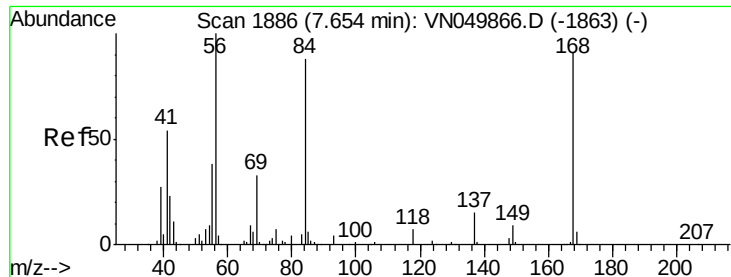
Tot Ion: 42 Resp: 3295
Ion Ratio Lower Upper
42 100
72 0.0 35.6 53.4#
71 0.0 34.0 51.0#



#30
Chloroform
Concen: 7.83 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.05 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 83 Resp: 129521
Ion Ratio Lower Upper
83 100
85 0.5 51.4 77.2#

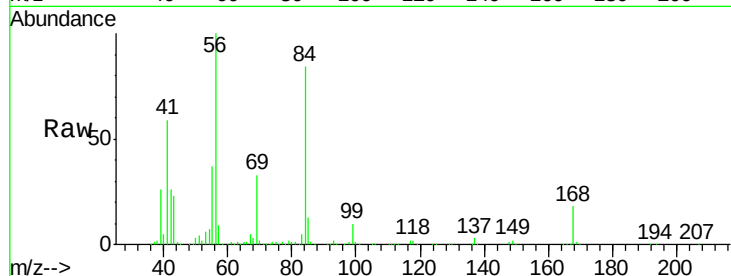




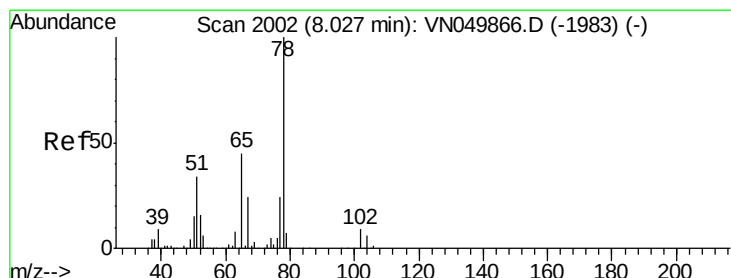
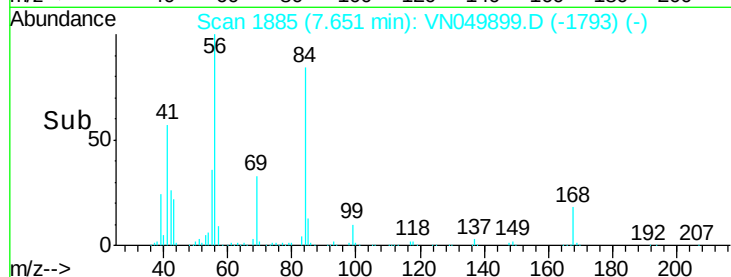
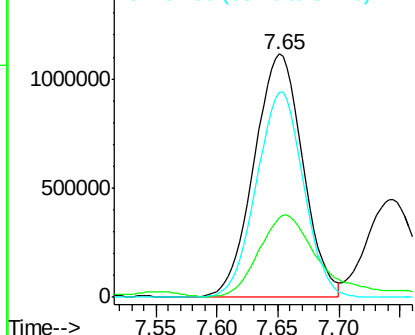
#31
Cyclohexane
Concen: 234.76 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3077674
Ion Ratio Lower Upper
56 100
69 31.9 26.6 40.0
84 84.5 69.0 103.6

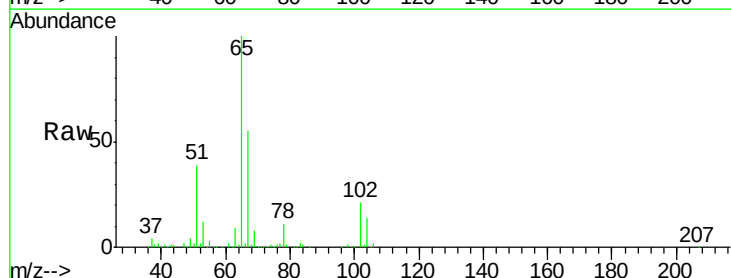


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

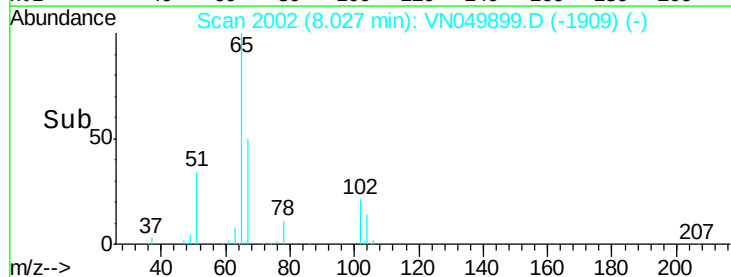
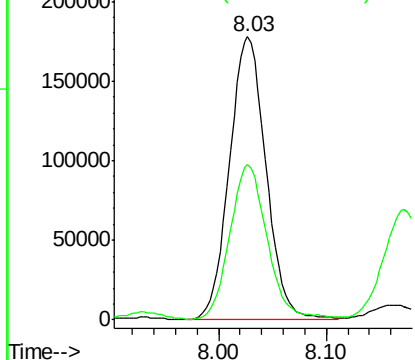


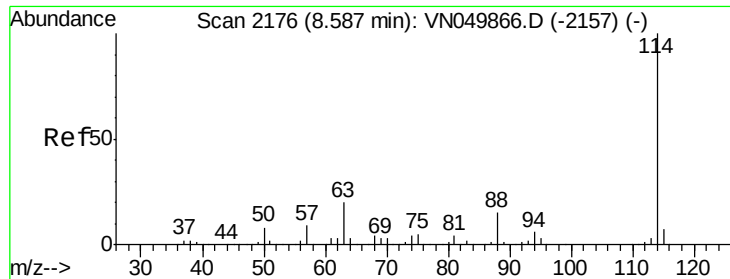
#33
1,2-Dichloroethane-d4
Concen: 42.22 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 65 Resp: 417583
Ion Ratio Lower Upper
65 100
67 55.7 0.0 107.2



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampleId :

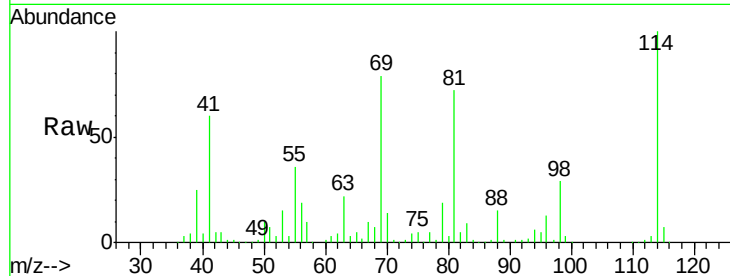
Tot Ion:114 Resp: 1049739

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.8

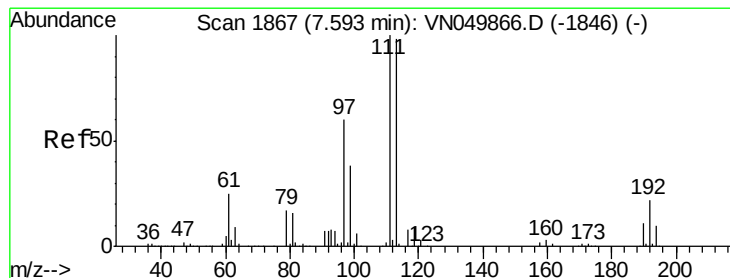
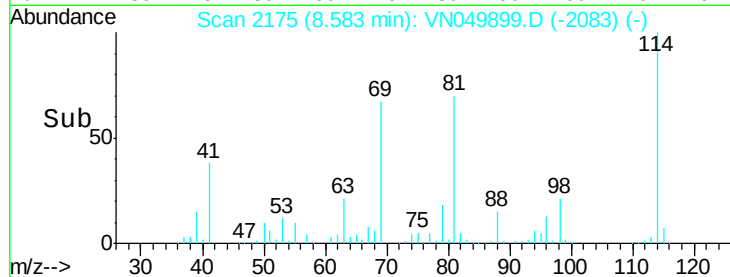
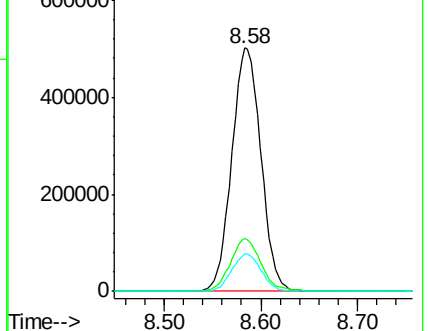
88 15.3 0.0 30.6



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: 42.81 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

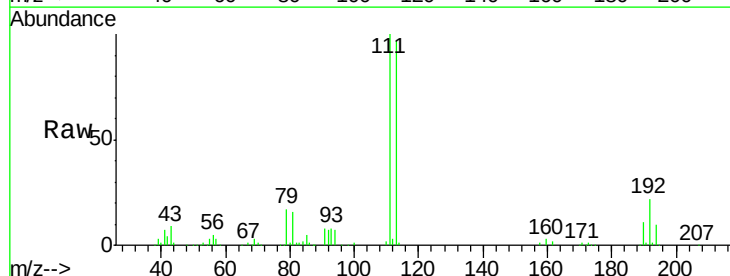
Tgt Ion:113 Resp: 377248

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

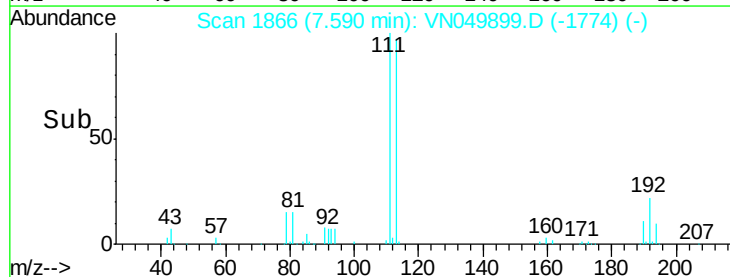
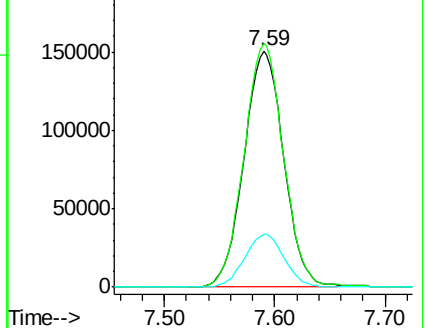
192 22.3 17.8 26.6

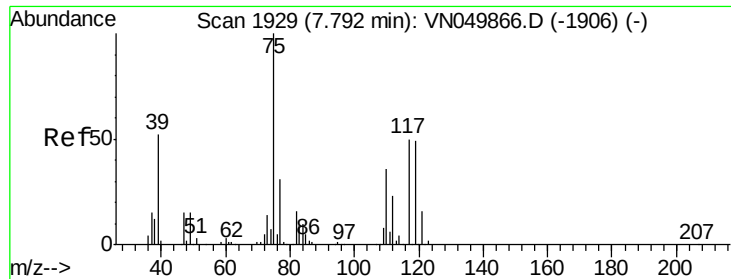


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

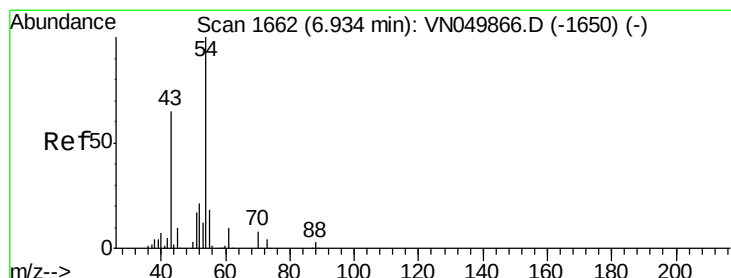
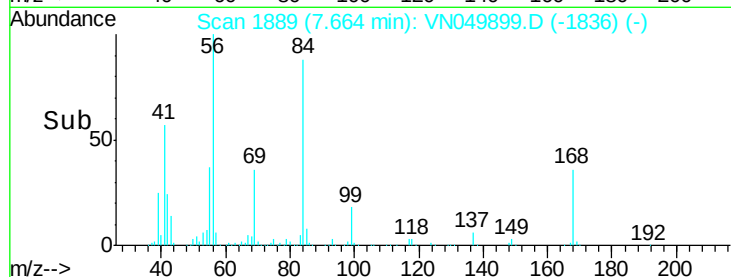
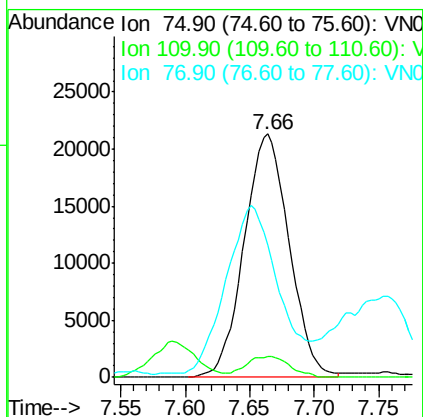
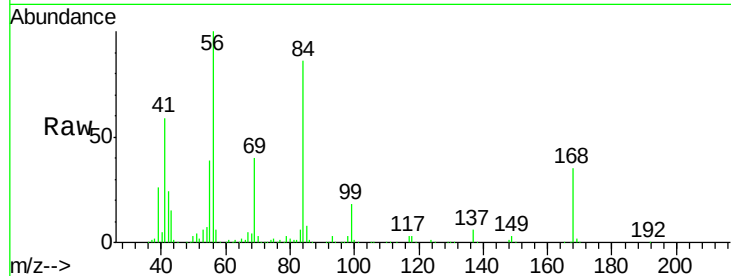




#36
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

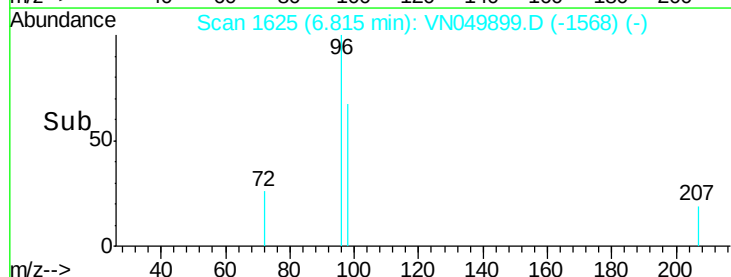
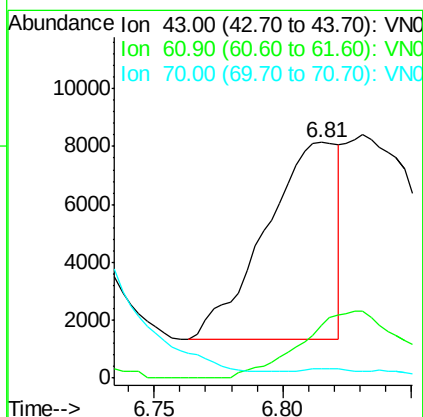
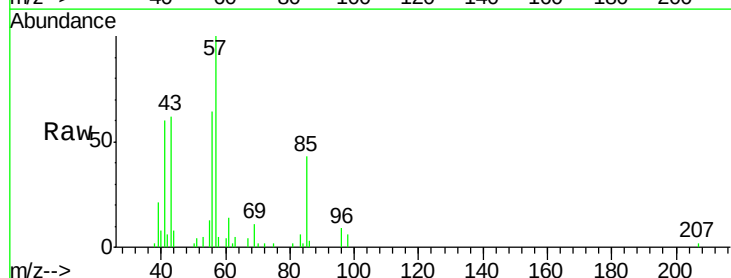
Instrument :
 MSVOA_N
 ClientSampled :

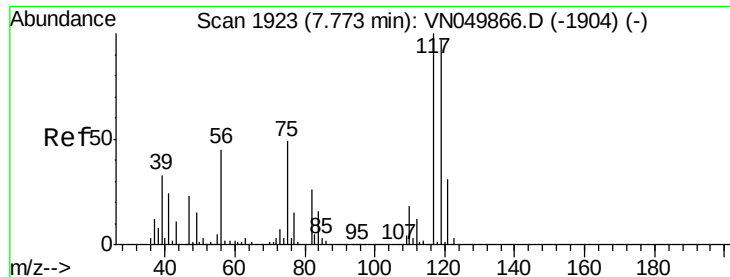
Tot Ion: 75 Resp: 51909
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.4#
 77 78.6 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.67 ug/l
 RT: 6.81 min Scan# 1625
 Delta R.T. -0.12 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 43 Resp: 13364
 Ion Ratio Lower Upper
 43 100
 61 48.2 11.7 17.5#
 70 0.0 8.4 12.6#

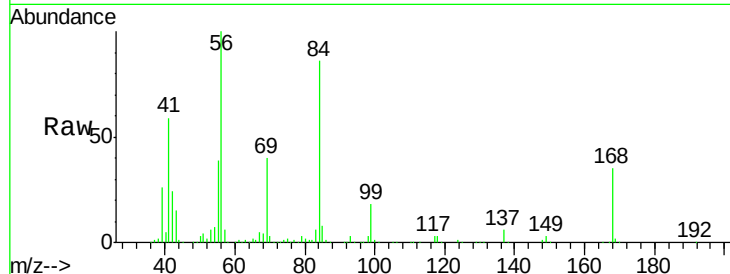




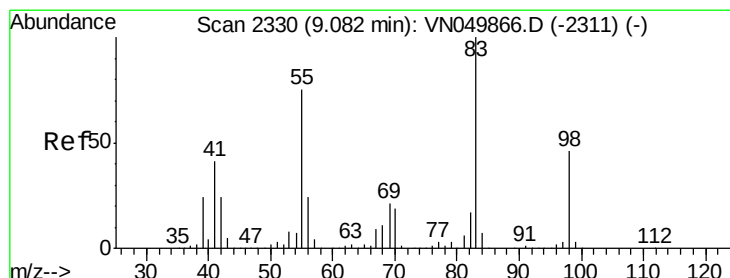
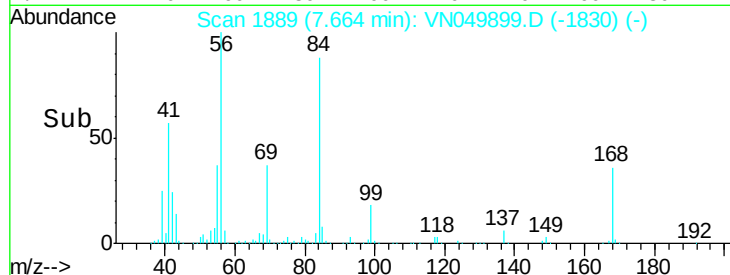
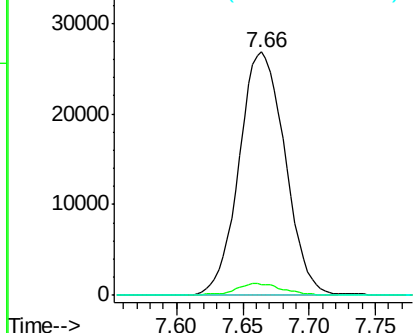
#38
Carbon Tetrachloride
Concen: 5.17 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 64696
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 25.0 37.6#

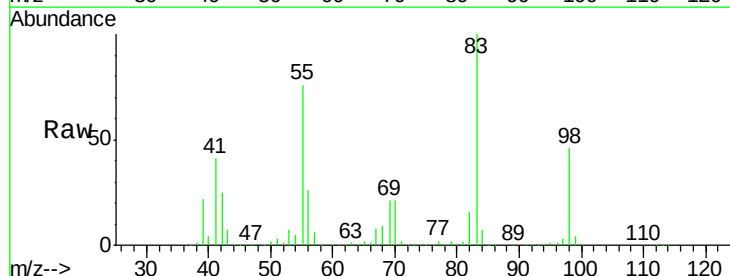


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

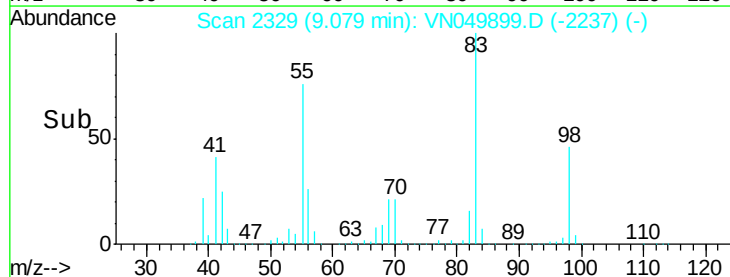
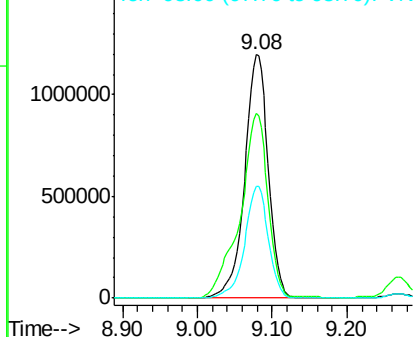


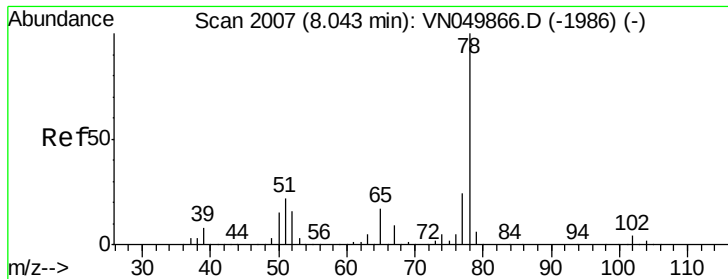
#39
Methylcyclohexane
Concen: 216.60 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 83 Resp: 2611763
Ion Ratio Lower Upper
83 100
55 76.0 59.7 89.5
98 45.7 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 1.90 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

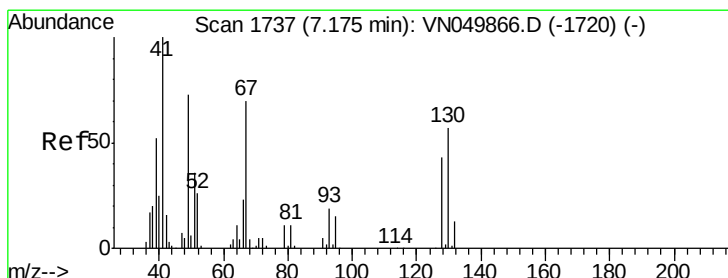
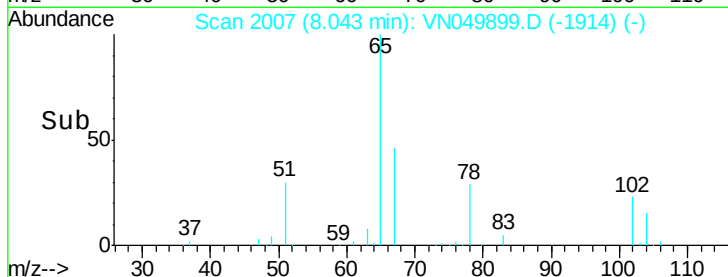
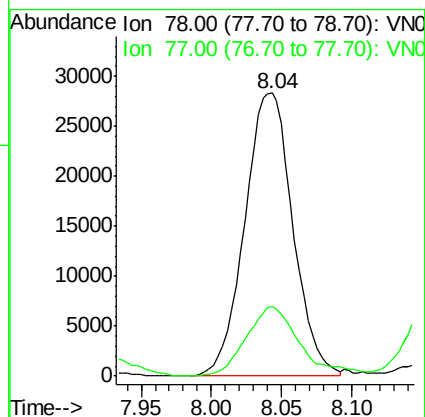
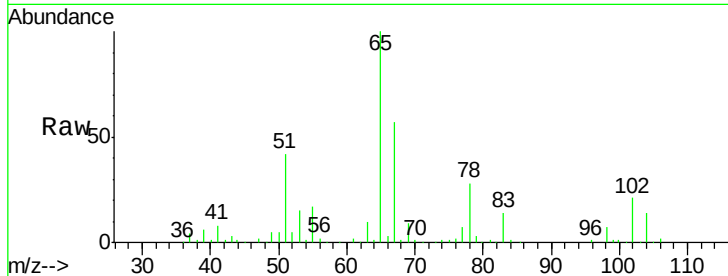
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 67449

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4



#41

Methacrylonitrile

Concen: 9.34 ug/l

RT: 7.20 min Scan# 1746

Delta R.T. 0.03 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Tgt Ion: 41 Resp: 37527

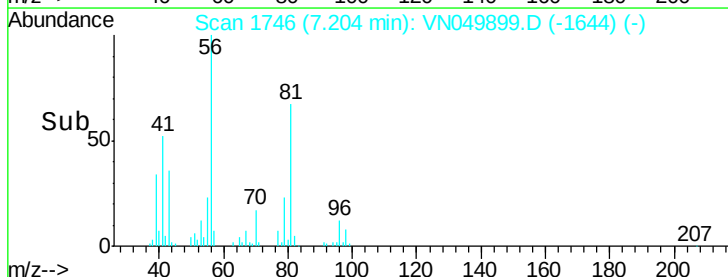
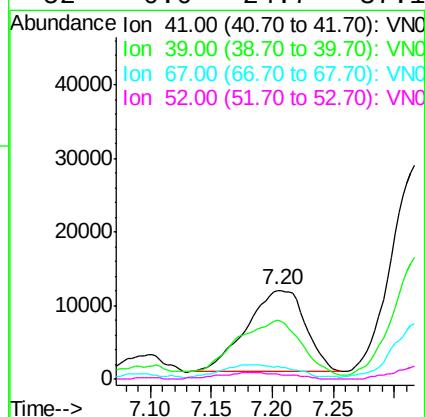
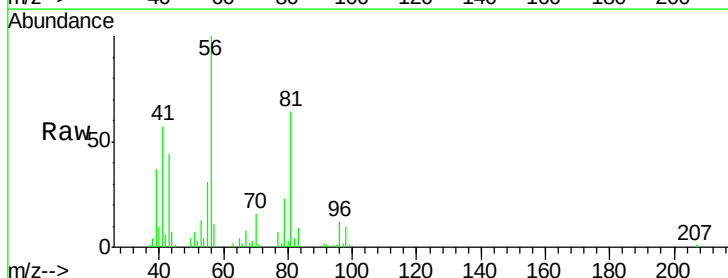
Ion Ratio Lower Upper

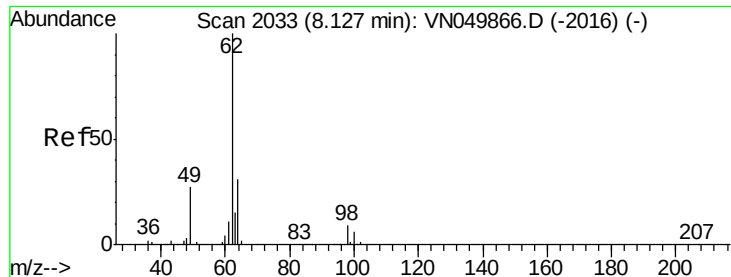
41 100

39 73.1 45.4 68.2#

67 0.0 65.4 98.0#

52 0.0 24.7 37.1#

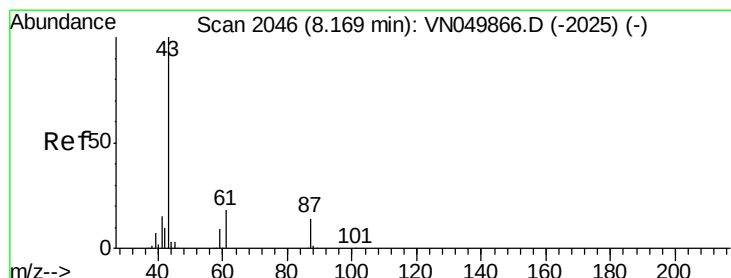
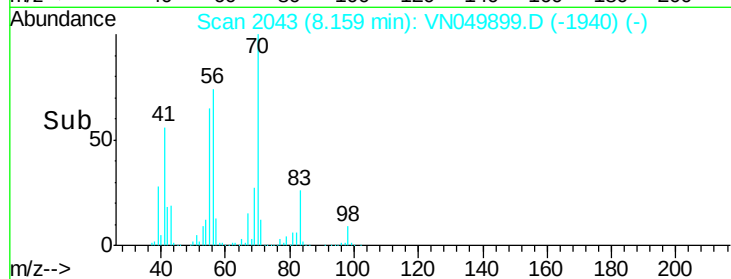
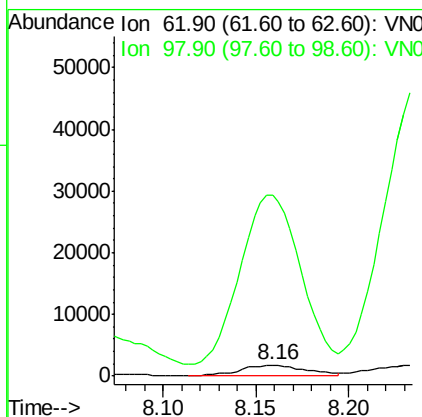
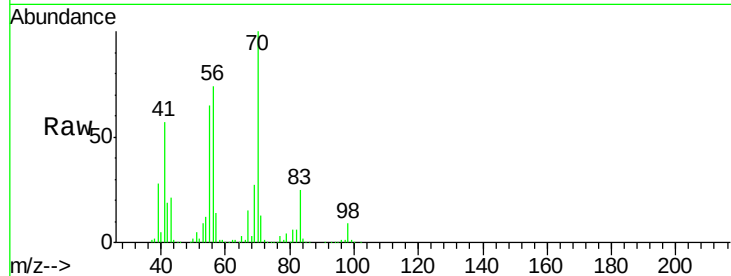




#42
 1,2-Dichloroethane
 Concen: 0.38 ug/l
 RT: 8.16 min Scan# 2043
 Delta R.T. 0.03 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

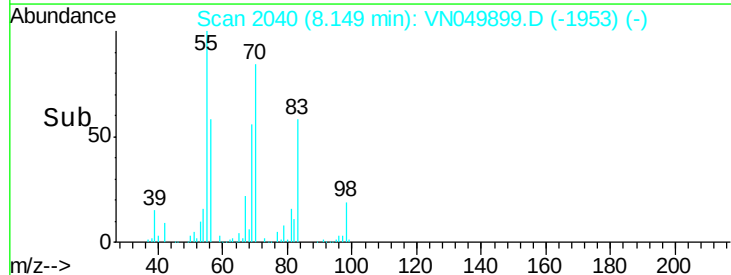
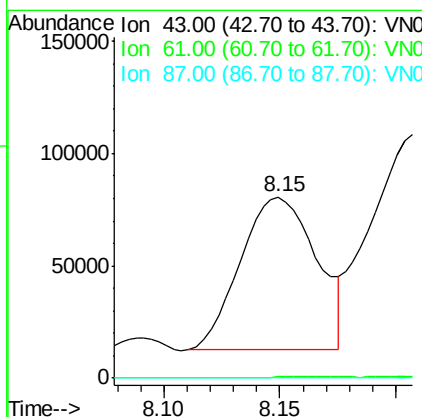
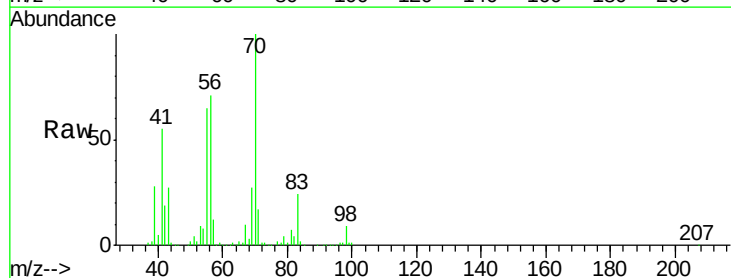
Instrument :
 MSVOA_N
 ClientSampled :

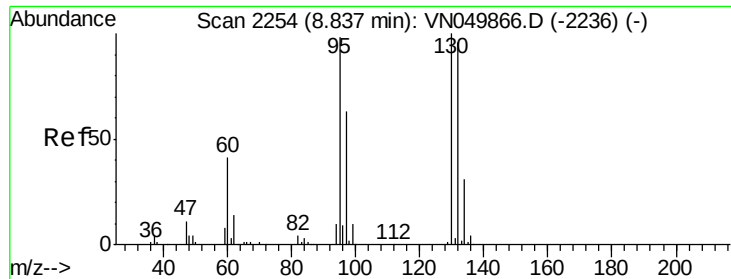
Tot Ion: 62 Resp: 4526
 Ion Ratio Lower Upper
 62 100
 98 1367.8 0.0 19.0#



#43
 Isopropyl Acetate
 Concen: 11.09 ug/l
 RT: 8.15 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 43 Resp: 155329
 Ion Ratio Lower Upper
 43 100
 61 0.4 14.9 22.3#
 87 0.0 10.0 15.0#





#44

Trichloroethene

Concen: 0.43 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

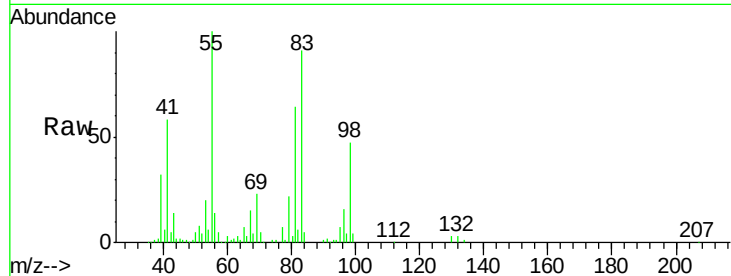
ClientSampleId :

Tot Ion:130 Resp: 4029

Ion Ratio Lower Upper

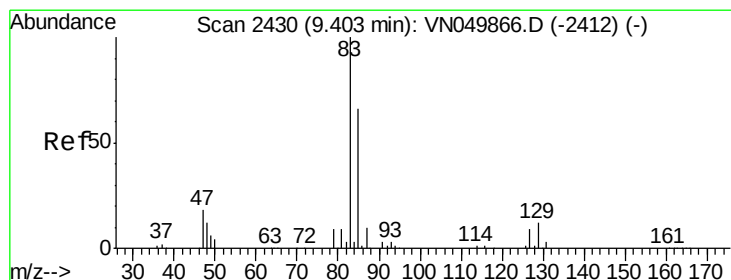
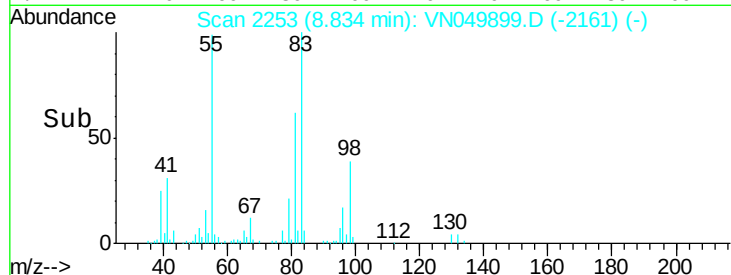
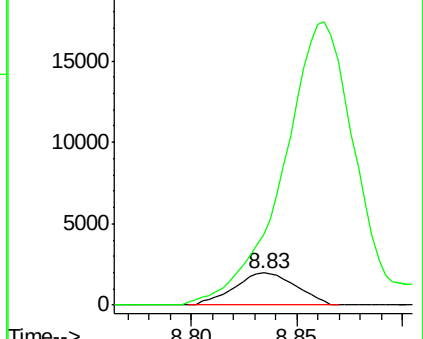
130 100

95 210.7 0.0 192.8#



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#47

Bromodichloromethane

Concen: 3.07 ug/l

RT: 9.39 min Scan# 2425

Delta R.T. -0.02 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

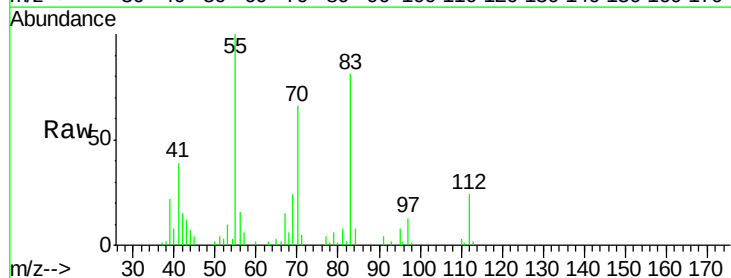
Tgt Ion: 83 Resp: 37826

Ion Ratio Lower Upper

83 100

85 0.0 50.5 75.7#

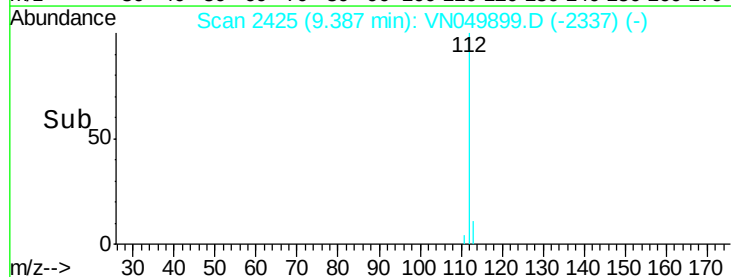
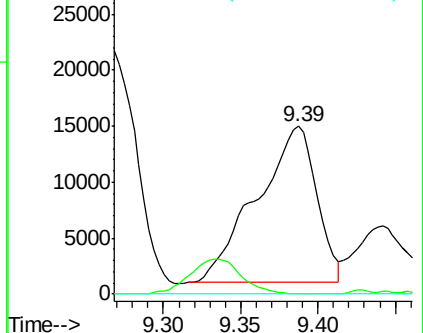
127 0.0 6.8 10.2#

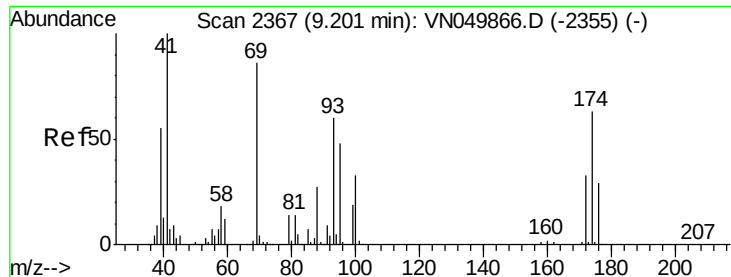


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

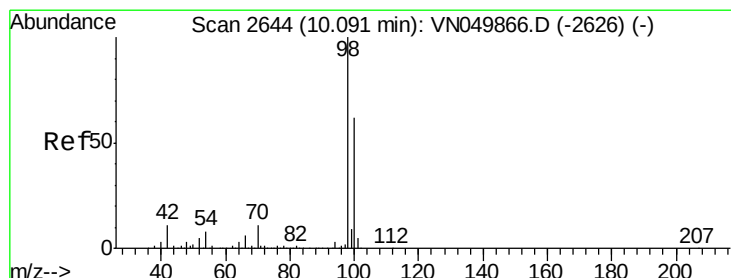
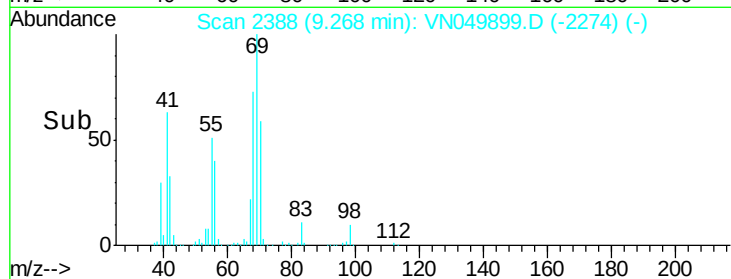
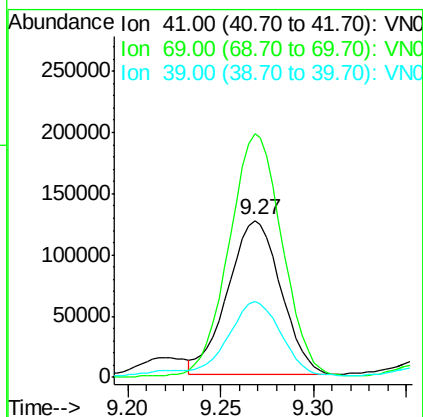
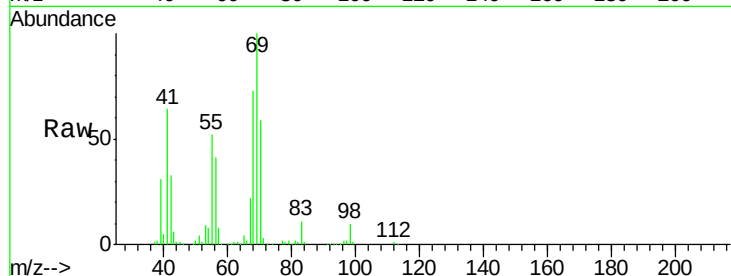




#48
Methvl methacrylate
Concen: 35.43 ug/l
RT: 9.27 min Scan# 2388
Delta R.T. 0.07 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

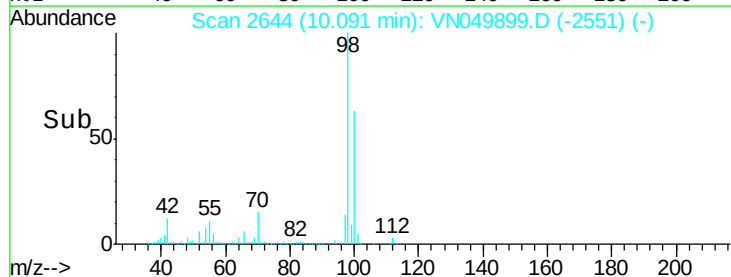
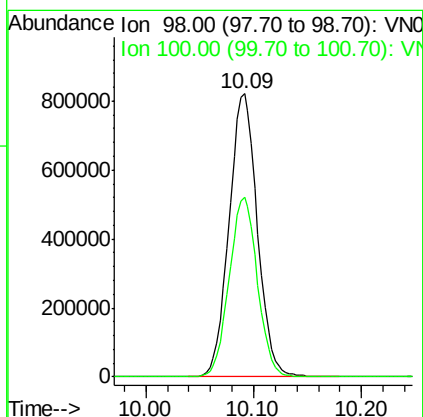
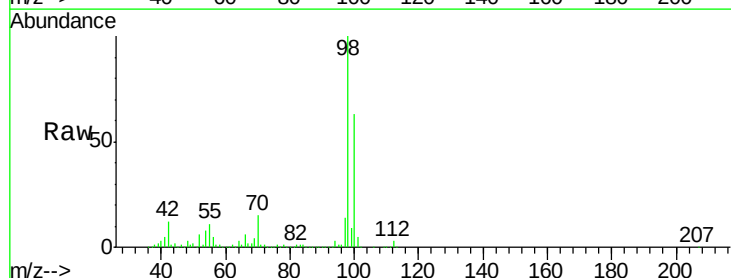
Instrument :
MSVOA_N
ClientSampled :

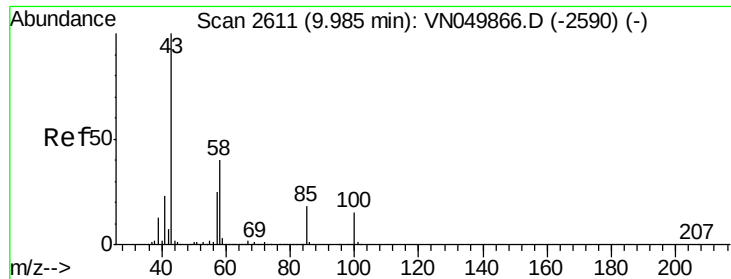
Tot Ion: 41 Resp: 248862
Ion Ratio Lower Upper
41 100
69 160.0 71.5 107.3#
39 47.4 44.7 67.1



#50
Toluene-d8
Concen: 46.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion: 98 Resp: 1499676
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

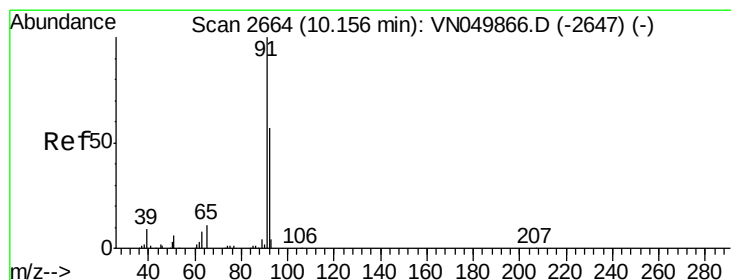
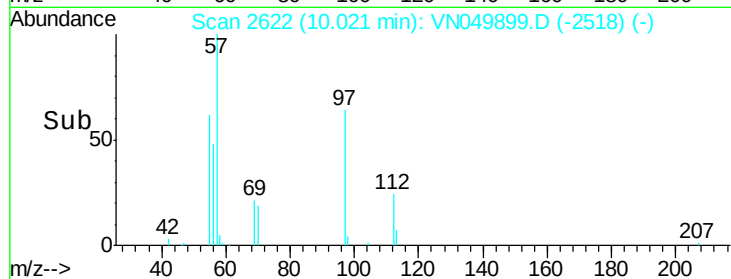
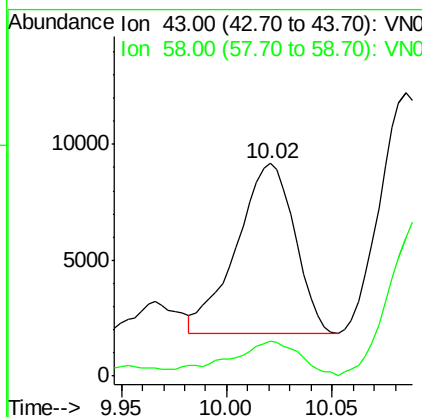
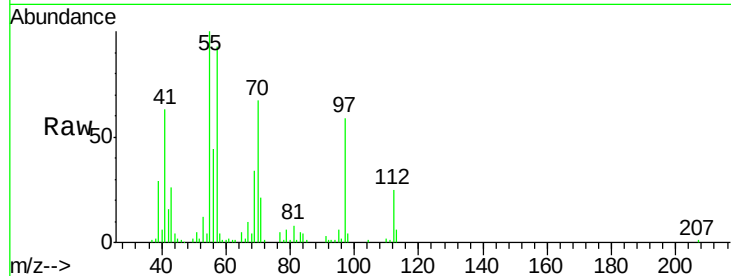




#51
 4-Methyl-2-Pentanone
 Concen: 1.79 ug/l
 RT: 10.02 min Scan# 2622
 Delta R.T. 0.04 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

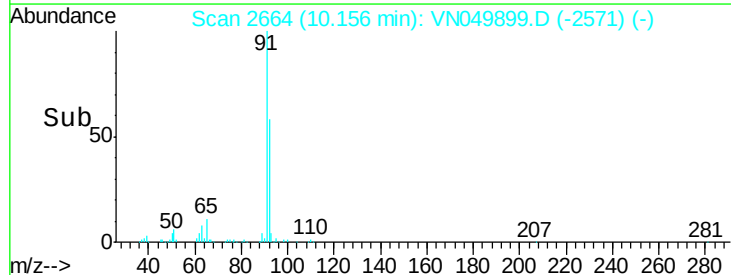
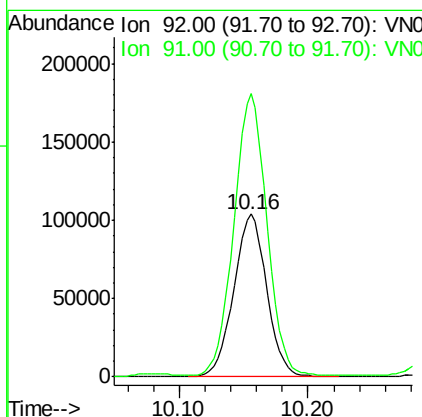
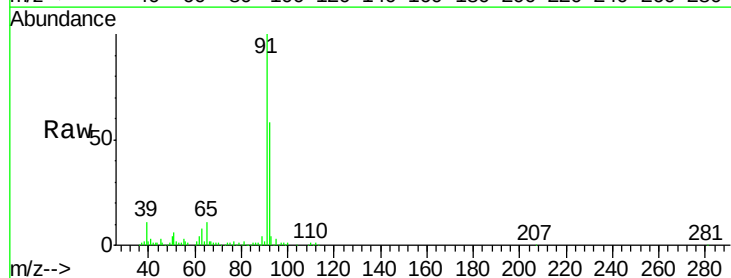
Instrument :
 MSVOA_N
 ClientSampled :

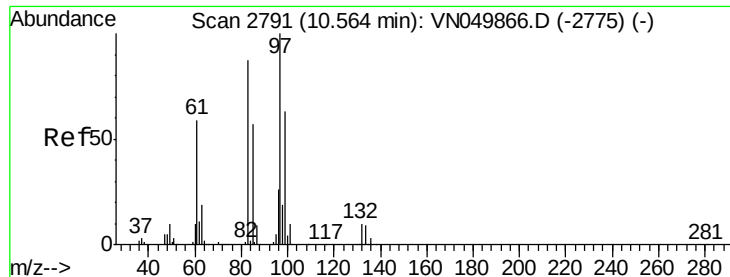
Tot Ion: 43 Resp: 13984
 Ion Ratio Lower Upper
 43 100
 58 22.8 31.8 47.8#



#52
 Toluene
 Concen: 8.62 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 92 Resp: 182825
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.1 210.1

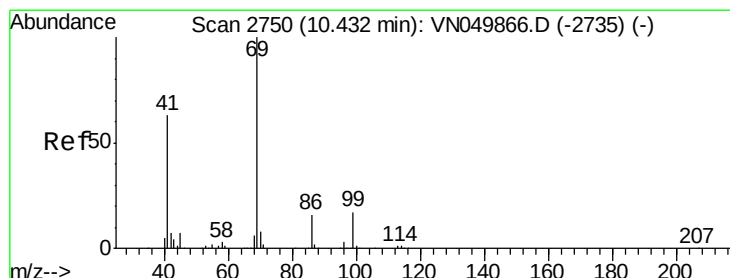
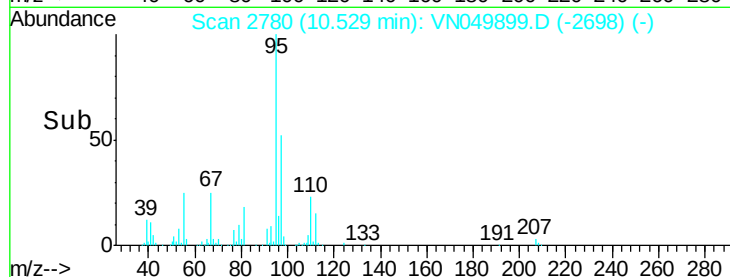
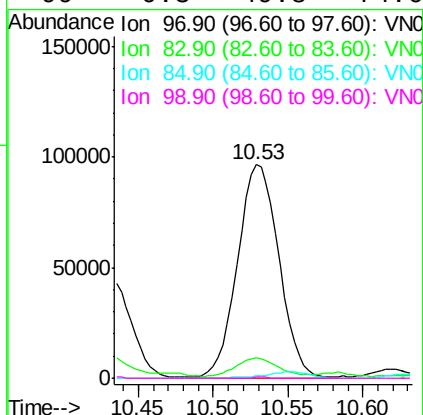
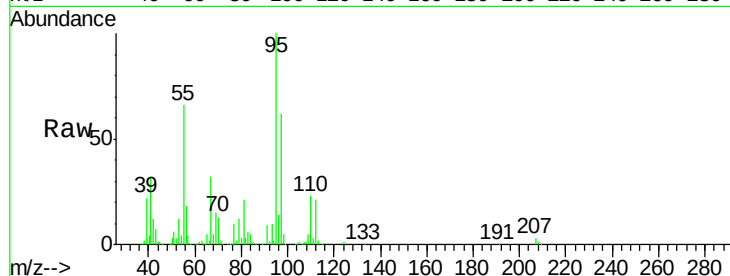




#55
 1,1,2-Trichloroethane
 Concen: 21.07 ug/l
 RT: 10.53 min Scan# 2780
 Delta R.T. -0.04 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

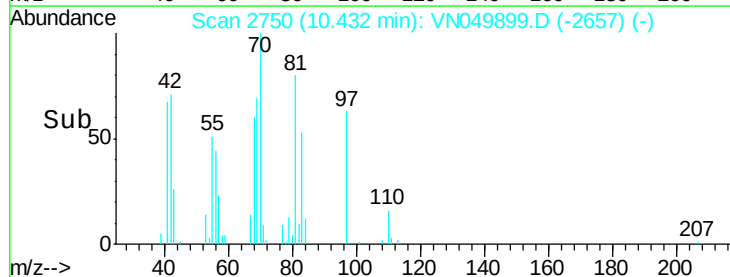
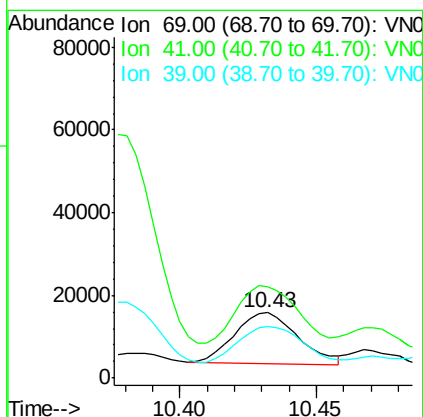
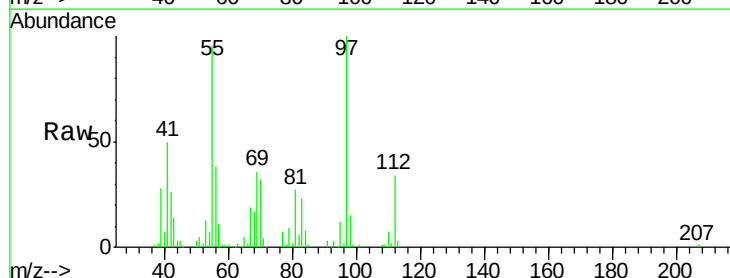
Instrument :
 MSVOA_N
 ClientSampled :

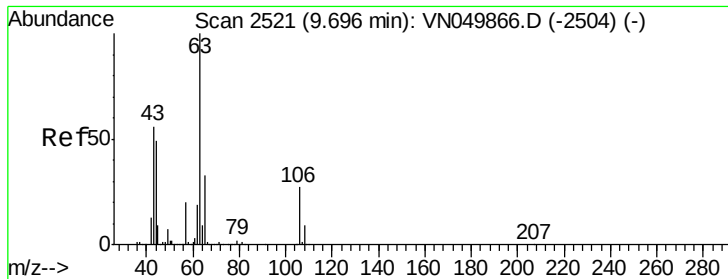
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	8.0	69.0	103.6#	
85	1.1	44.9	67.3#	
99	0.3	49.8	74.6#	



#56
 Ethyl methacrylate
 Concen: 3.76 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	106.8	51.6	77.4#	
39	72.0	25.8	38.8#	

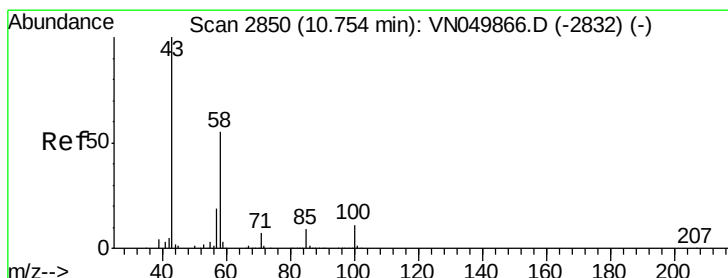
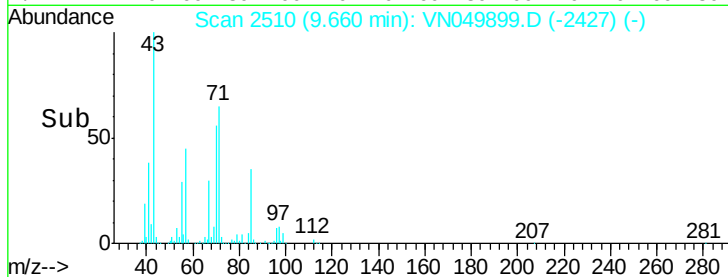
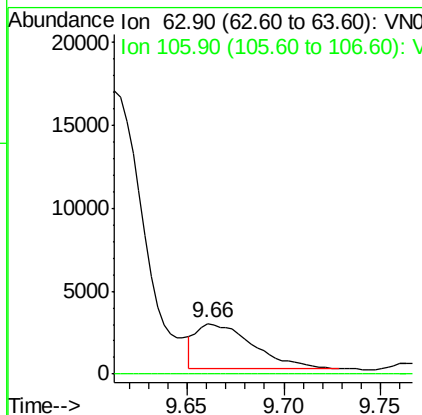
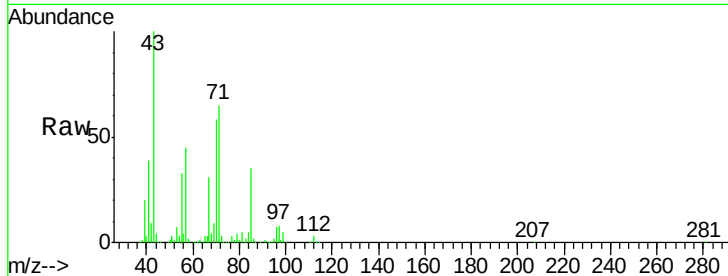




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.20 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.03 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

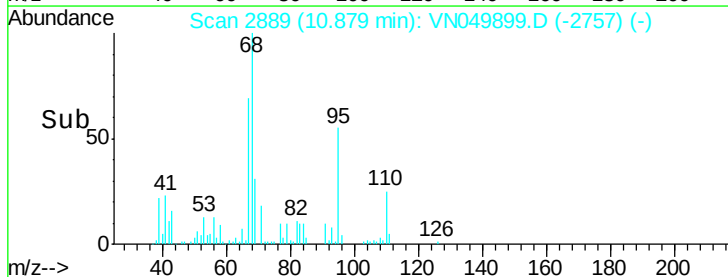
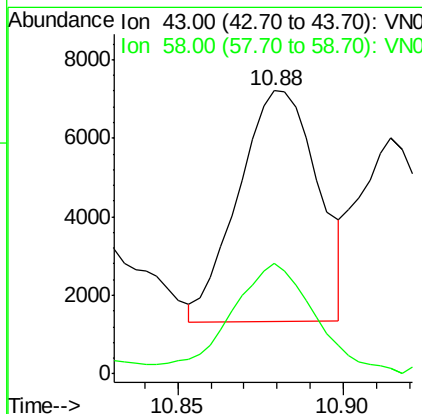
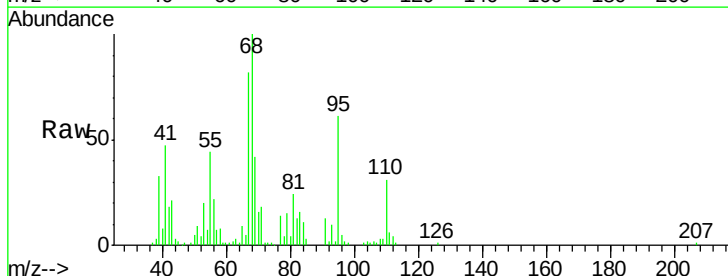
Instrument :
 MSVOA_N
 ClientSampleId :

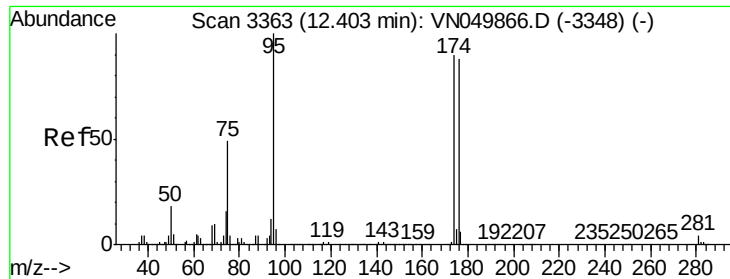
Tot Ion: 63 Resp: 5608
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#



#59
 2-Hexanone
 Concen: 1.87 ug/l
 RT: 10.88 min Scan# 2889
 Delta R.T. 0.13 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 43 Resp: 9829
 Ion Ratio Lower Upper
 43 100
 58 50.9 27.8 83.4

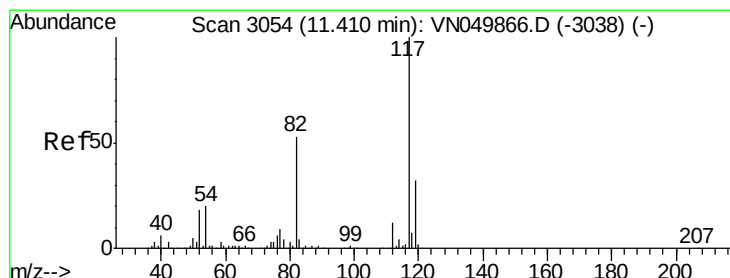
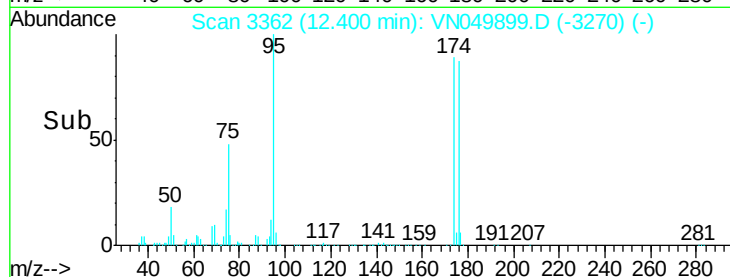
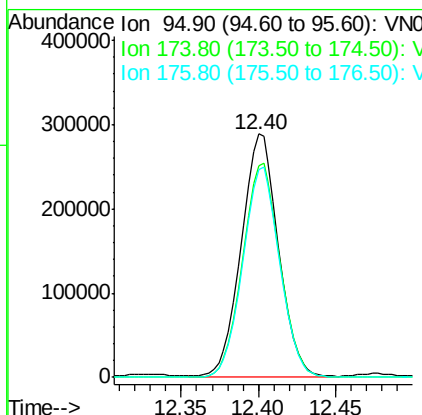
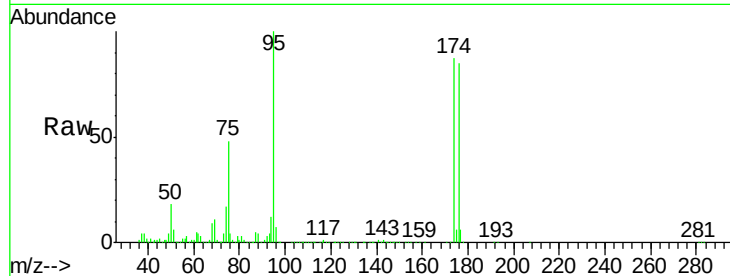




#62
4-Bromofluorobenzene
Concen: 43.14 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

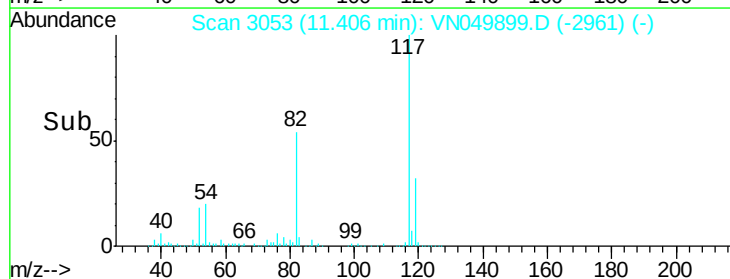
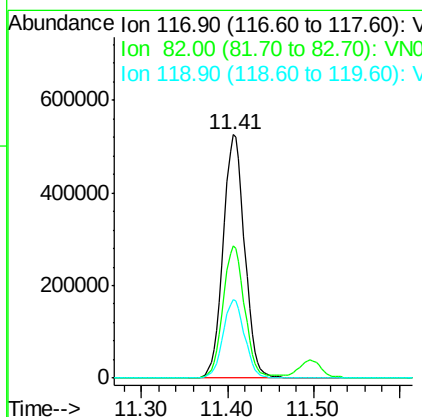
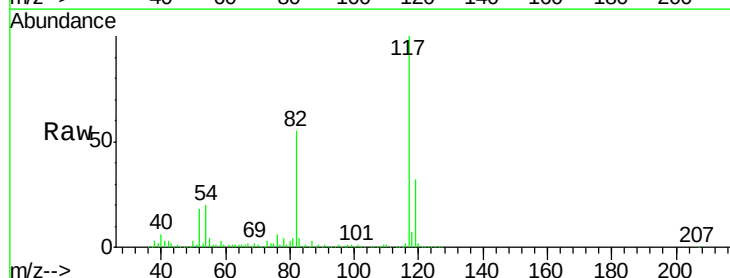
Instrument :
MSVOA_N
ClientSampled :

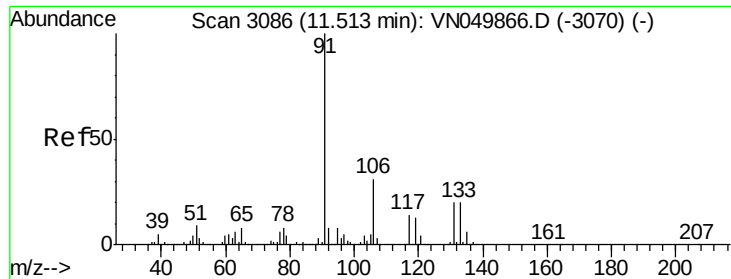
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	179.6
176	86.8	0.0	174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.9	62.9
119	32.3	25.4	38.2





#67

Ethyl Benzene

Concen: 291.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

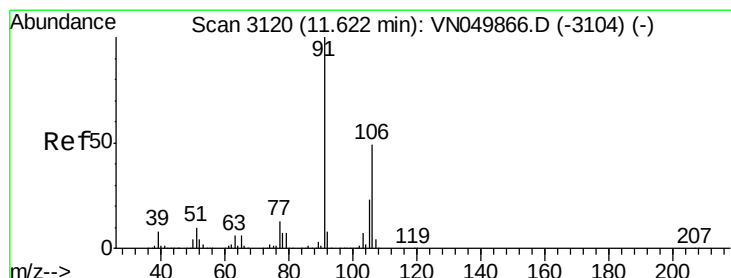
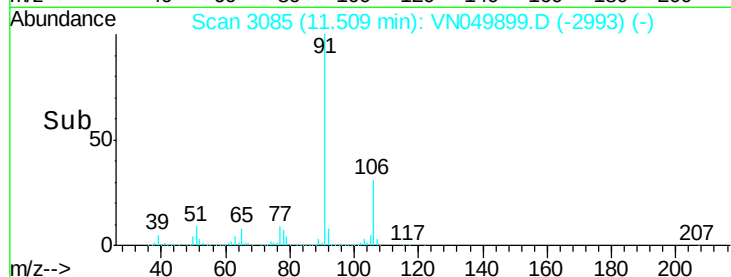
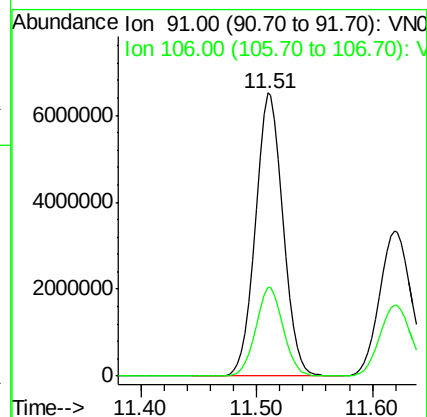
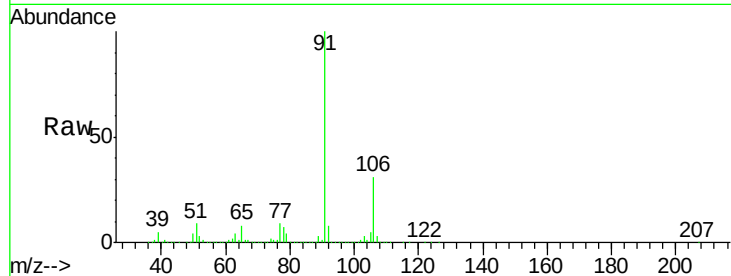
ClientSampled :

Tot Ion: 91 Resp:10838706

Ion Ratio Lower Upper

91 100

106 31.4 24.8 37.2



#68

m/p-Xylenes

Concen: 223.16 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049899.D

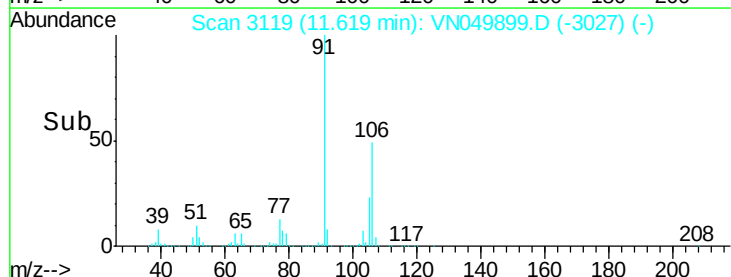
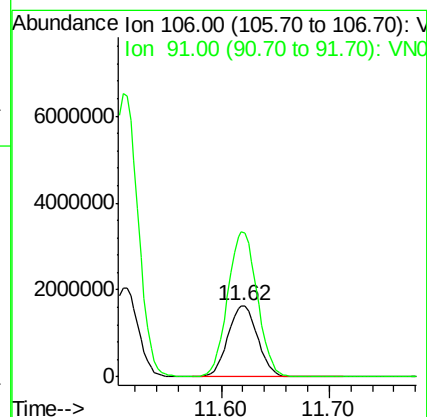
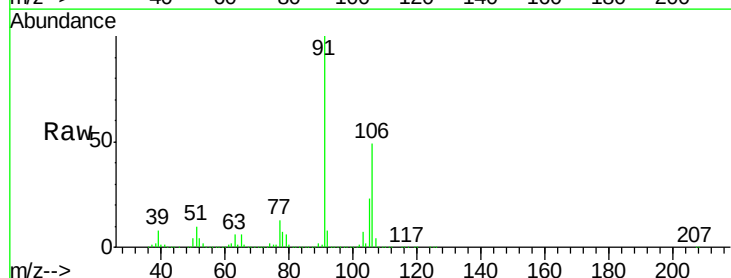
Acq: 19 Jul 2018 3:35

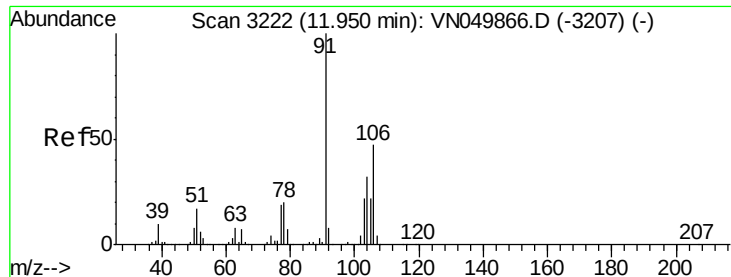
Tgt Ion:106 Resp: 3144949

Ion Ratio Lower Upper

106 100

91 202.7 163.4 245.2

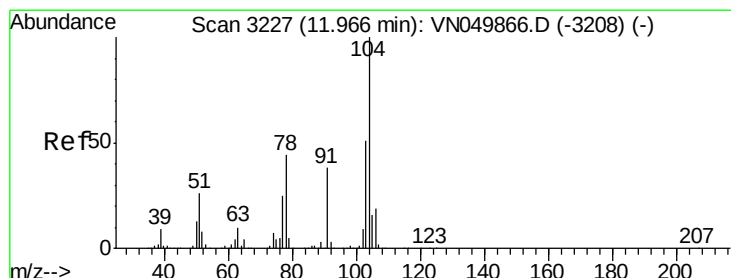
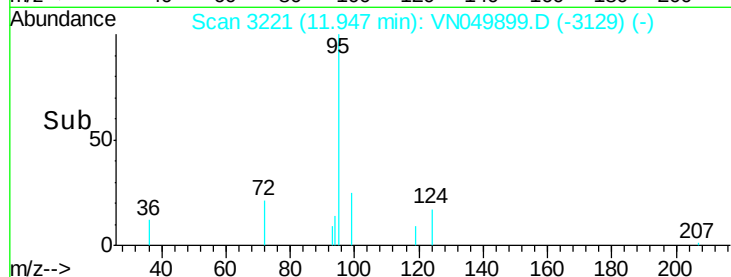
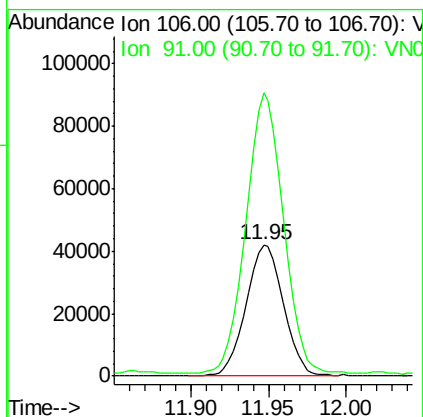
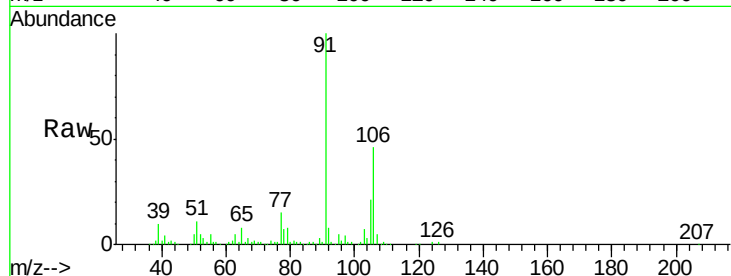




#69
o-Xylene
Concen: 5.26 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

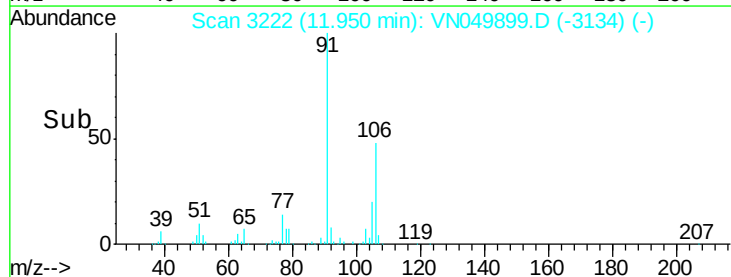
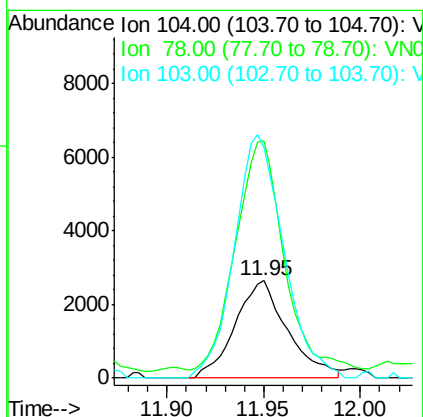
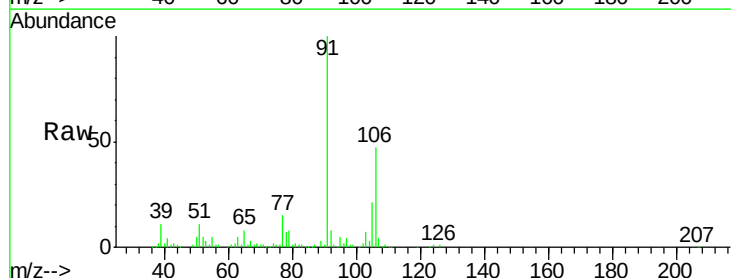
Instrument :
MSVOA_N
ClientSampled :

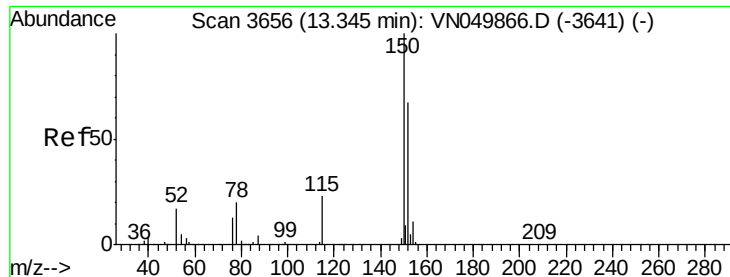
Tot Ion:106 Resp: 71130
Ion Ratio Lower Upper
106 100
91 212.2 108.7 326.1



#70
Styrene
Concen: 0.23 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion:104 Resp: 4991
Ion Ratio Lower Upper
104 100
78 213.8 39.2 58.8#
103 234.9 44.6 67.0#



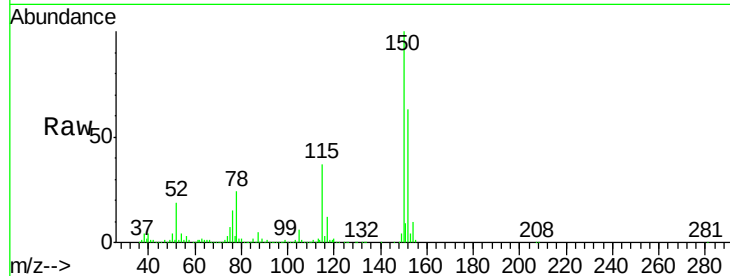


#72

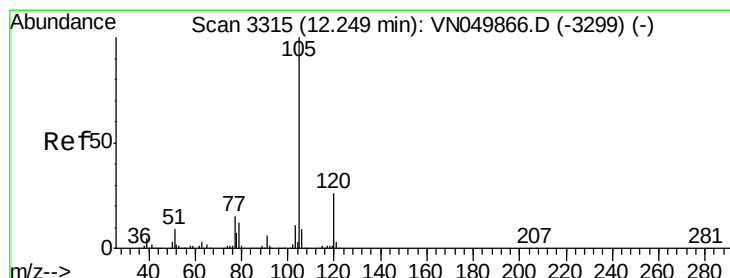
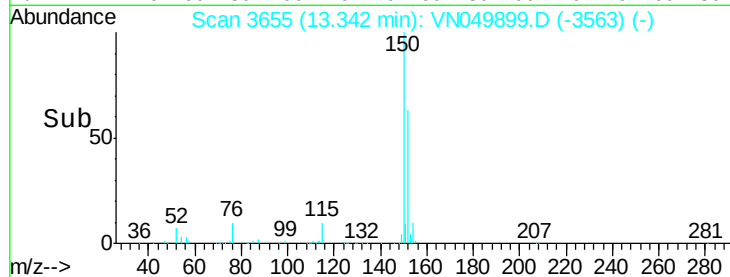
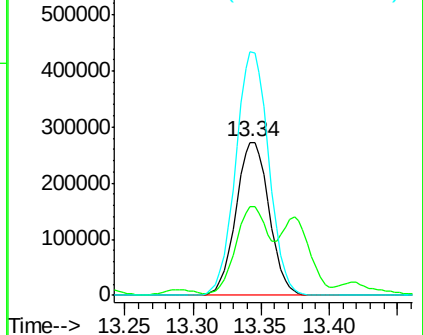
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 461137
Ion Ratio Lower Upper
152 100
115 57.9 28.1 84.2
150 158.4 0.0 347.6



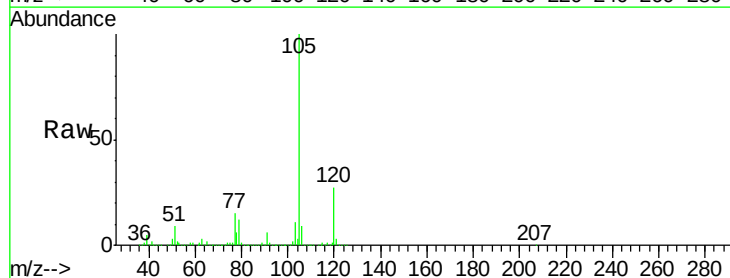
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



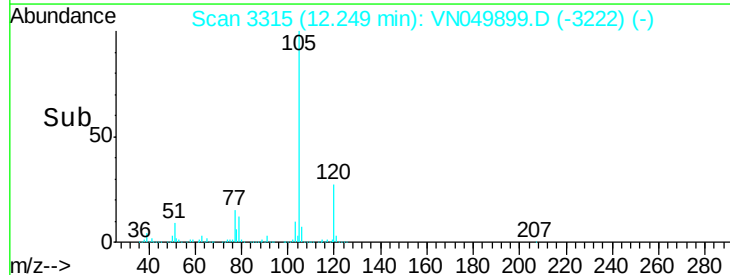
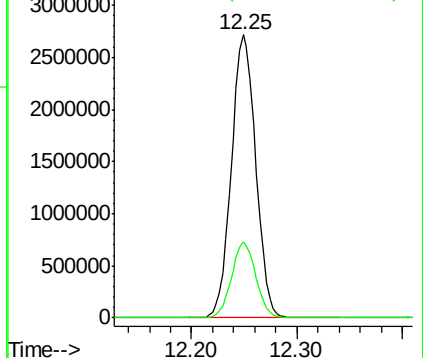
#73

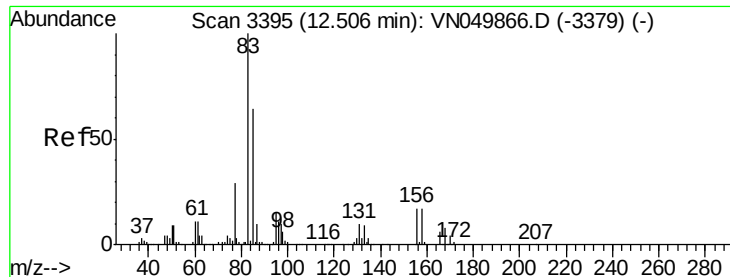
Isopropylbenzene
Concen: 123.16 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN049899.D
Acq: 19 Jul 2018 3:35

Tgt Ion:105 Resp: 4313971
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.8



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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.25 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

ClientSampleId :

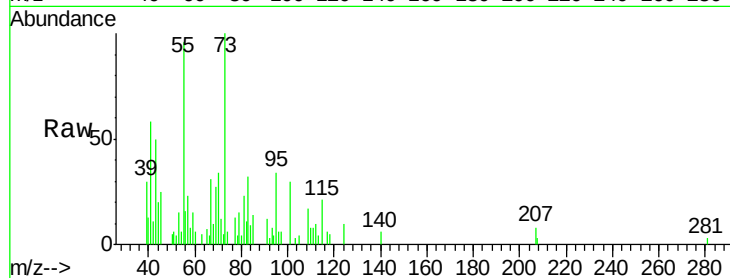
Tot Ion: 83 Resp: 2629

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

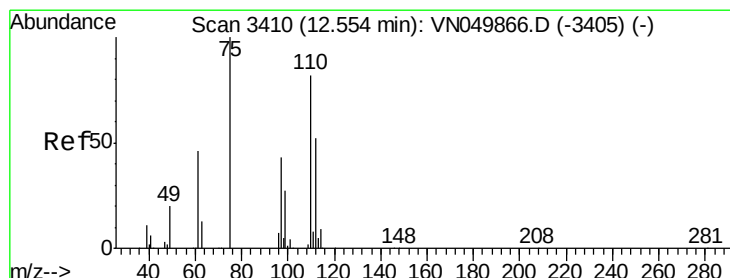
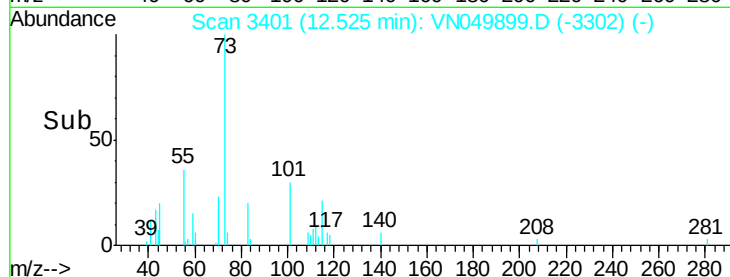
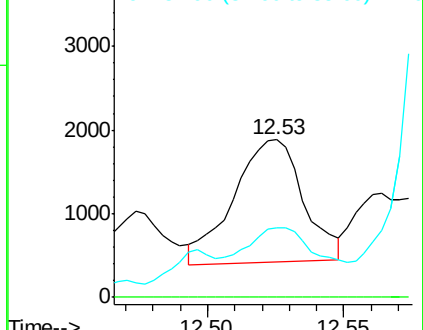
85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 10.57 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.04 min

Lab File: VN049899.D

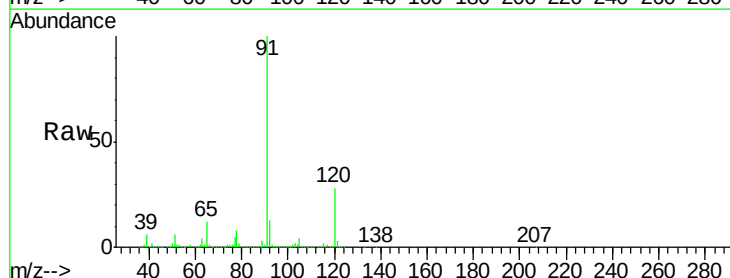
Acq: 19 Jul 2018 3:35

Tgt Ion: 75 Resp: 91418

Ion Ratio Lower Upper

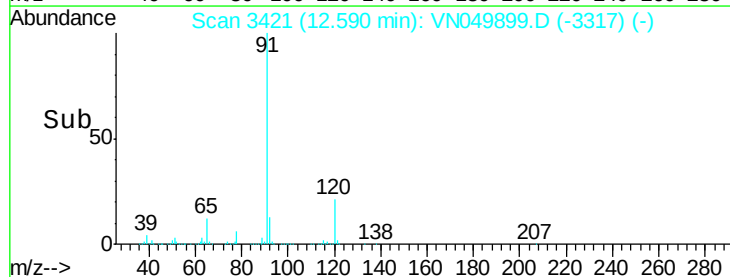
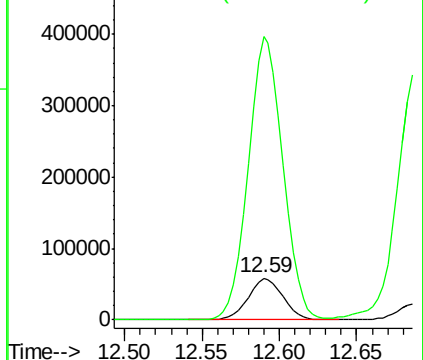
75 100

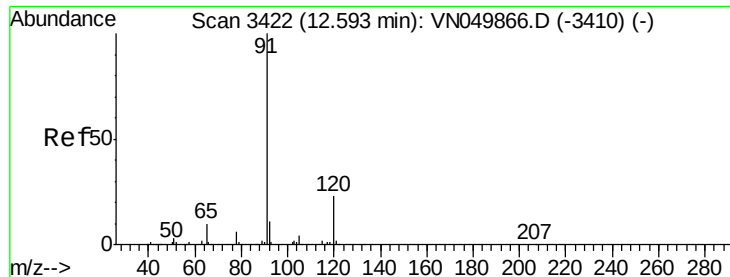
77 672.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 377.44 ug/l

RT: 12.59 min Scan# 3420

Delta R.T. -0.01 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

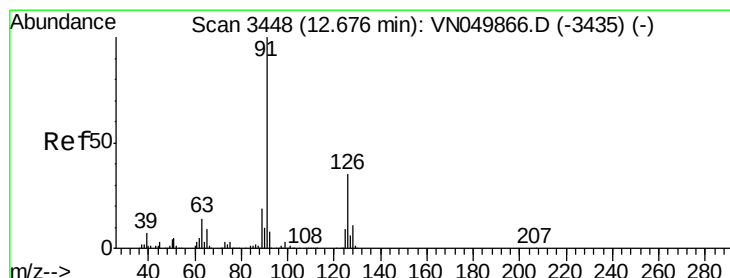
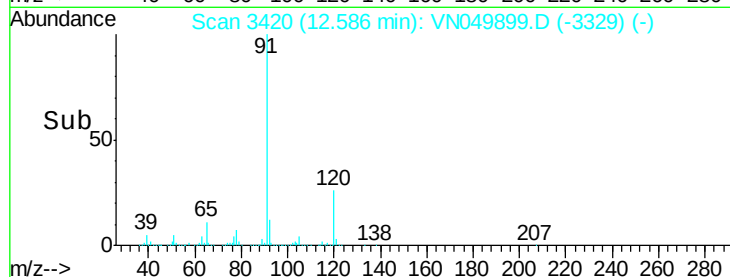
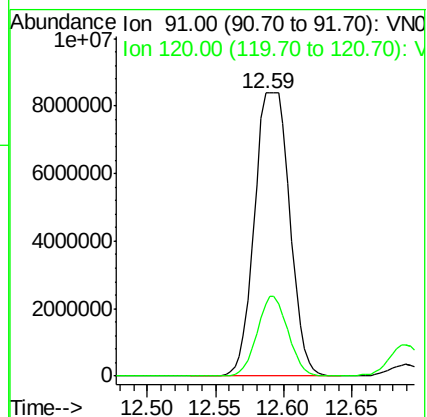
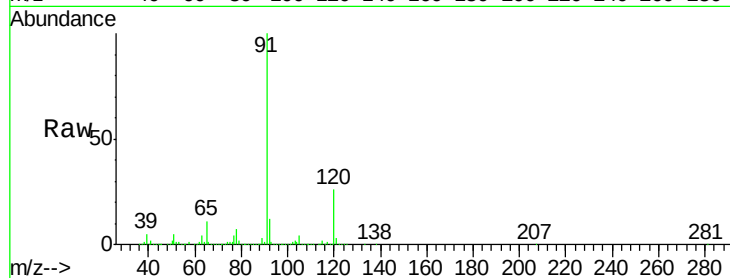
ClientSampleId :

Tot Ion: 91 Resp:15031057

Ion Ratio Lower Upper

91 100

120 24.8 11.5 34.4



#79

2-Chlorotoluene

Concen: 22.86 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049899.D

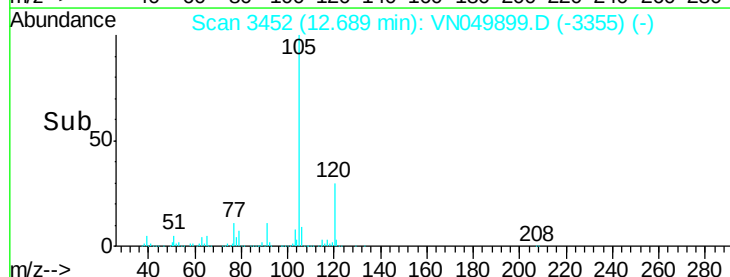
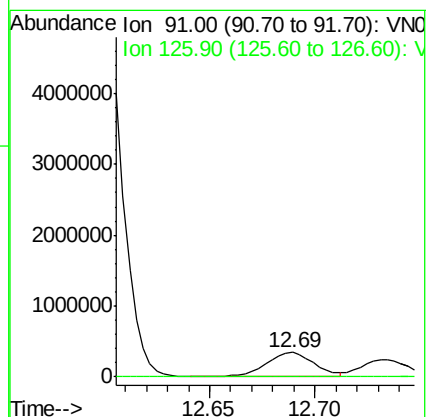
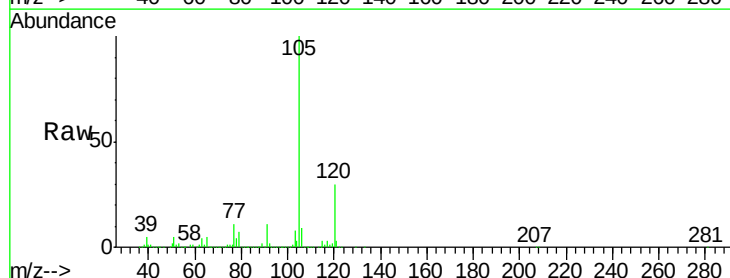
Acq: 19 Jul 2018 3:35

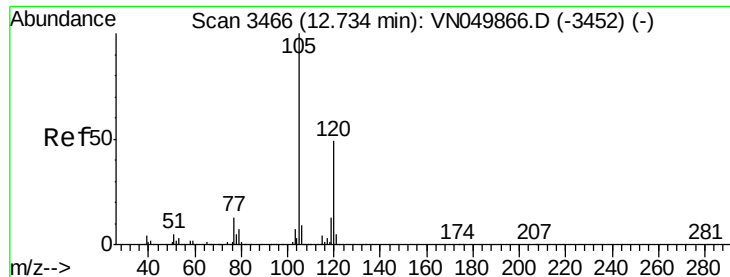
Tgt Ion: 91 Resp: 558954

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#

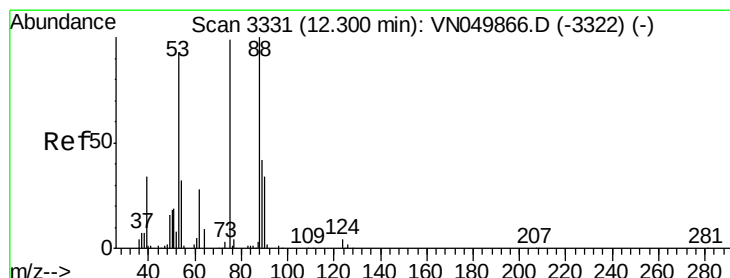
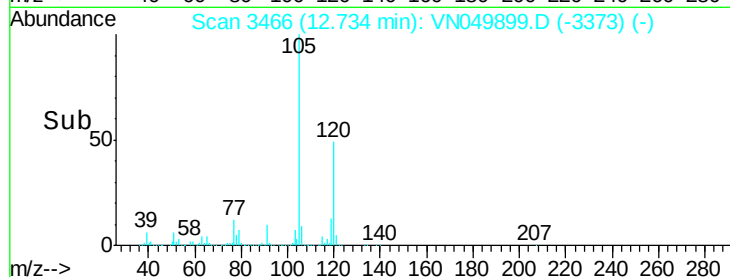
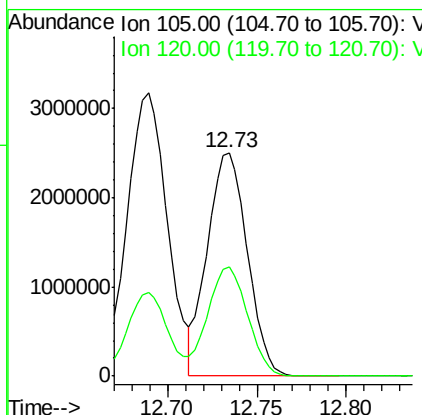
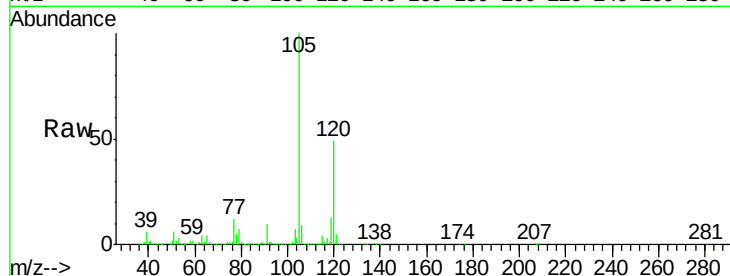




#80
 1,3,5-Trimethylbenzene
 Concen: 138.32 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

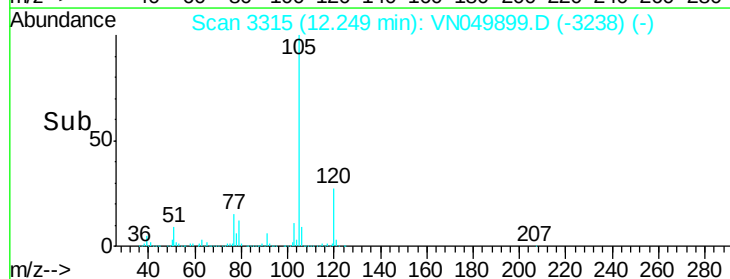
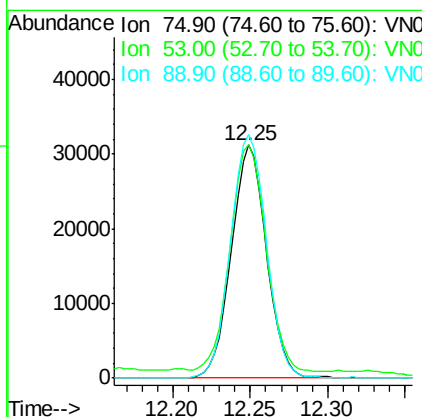
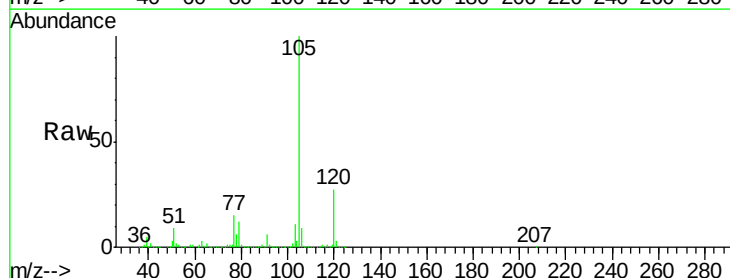
Instrument :
 MSVOA_N
 ClientSampled :

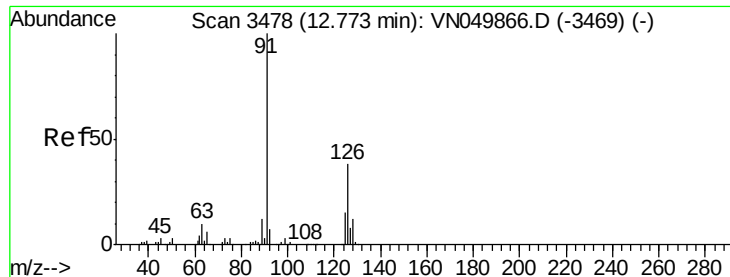
Tot Ion:105 Resp: 3883393
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.71 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.05 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion: 75 Resp: 48993
 Ion Ratio Lower Upper
 75 100
 53 99.6 73.9 110.9
 89 107.0 35.9 53.9#





#82

4-Chlorotoluene

Concen: 22.79 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. -0.08 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

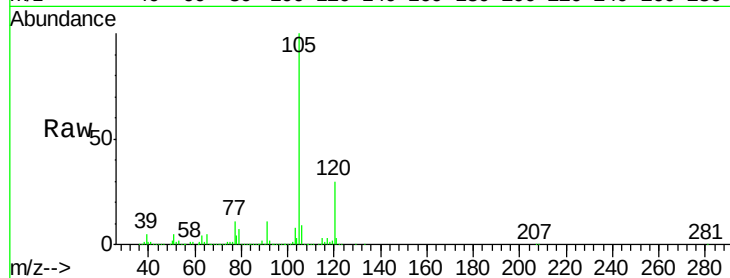
ClientSampled :

Tot Ion: 91 Resp: 558954

Ion Ratio Lower Upper

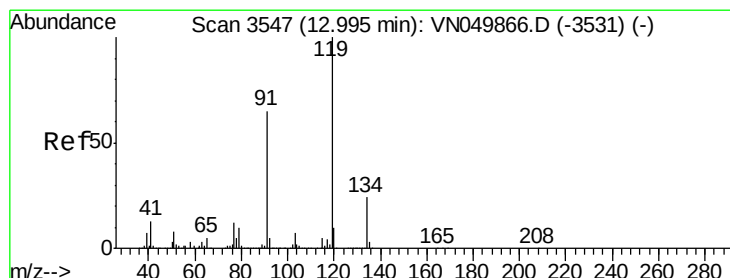
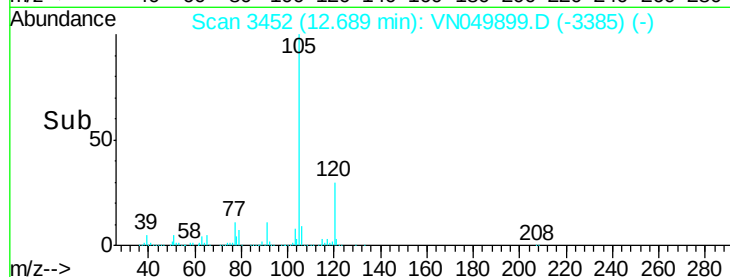
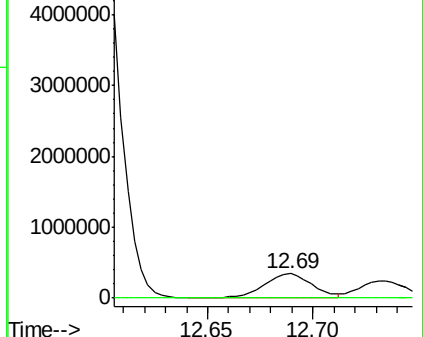
91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3469) (-)



#83

tert-Butylbenzene

Concen: 25.72 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.04 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

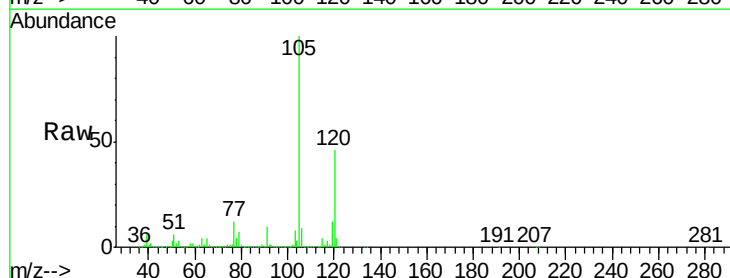
Tgt Ion: 119 Resp: 634268

Ion Ratio Lower Upper

119 100

91 84.4 32.0 96.2

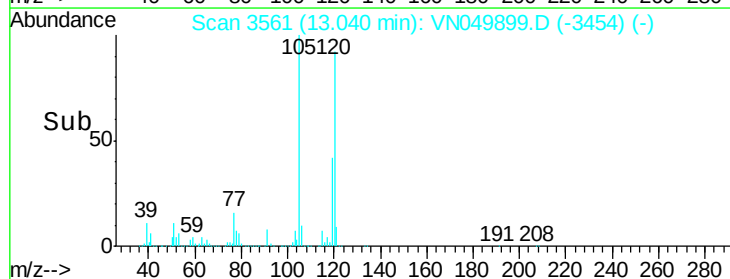
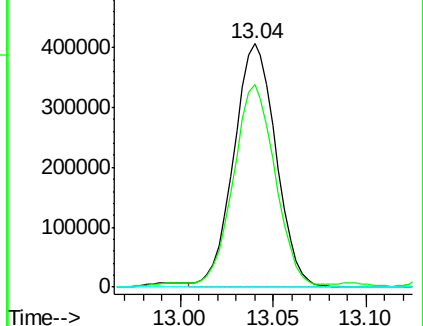
134 0.0 12.8 38.4#

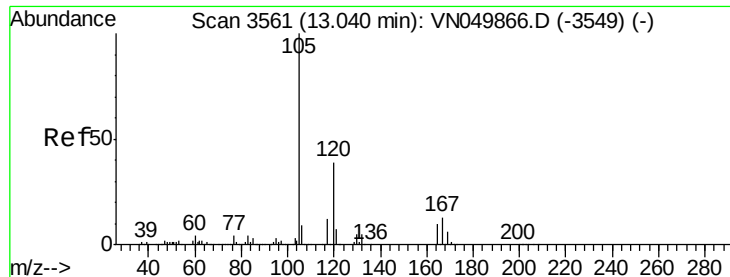


Abundance Ion 119.00 (118.70 to 119.70): VN049866.D (-3531) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN049866.D (-3531) (-)





#84

1,2,4-Trimethylbenzene

Concen: 181.90 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

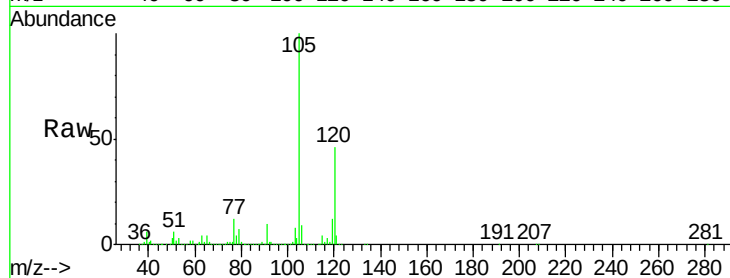
ClientSampled :

Tot Ion:105 Resp: 5173308

Ion Ratio Lower Upper

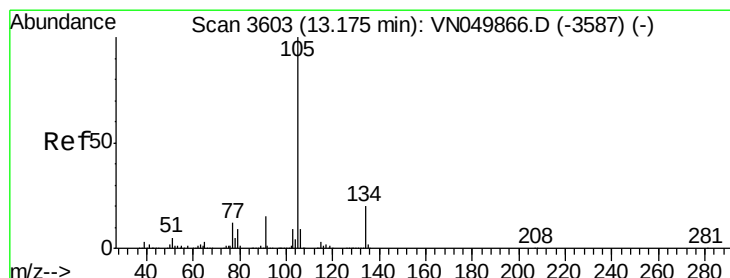
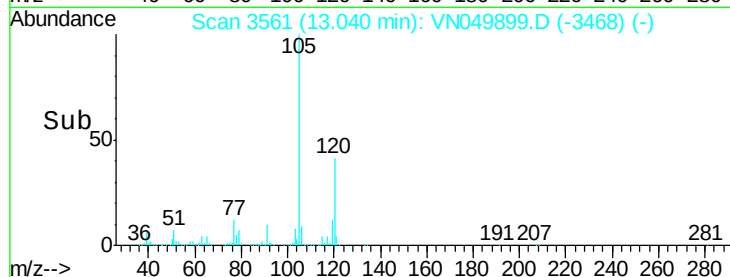
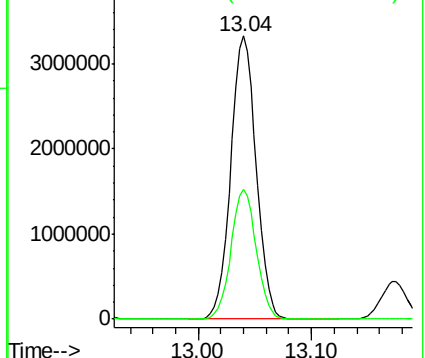
105 100

120 45.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 21.47 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049899.D

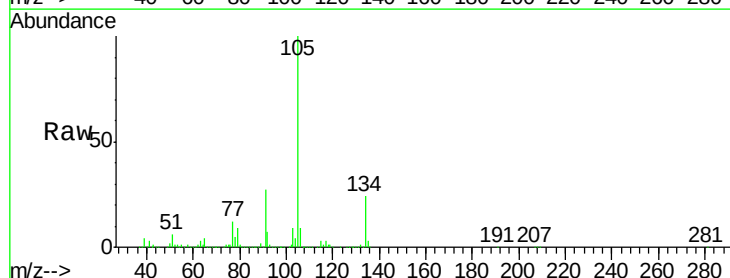
Acq: 19 Jul 2018 3:35

Tgt Ion:105 Resp: 699418

Ion Ratio Lower Upper

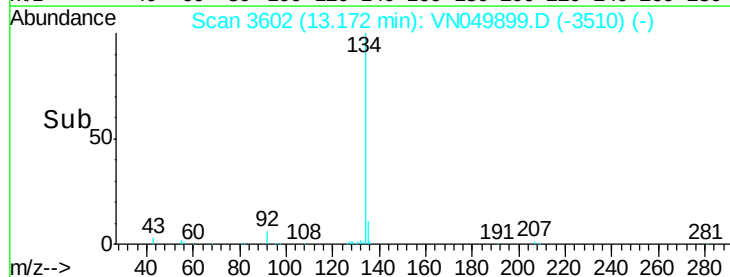
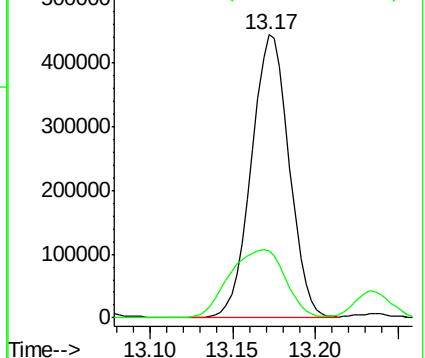
105 100

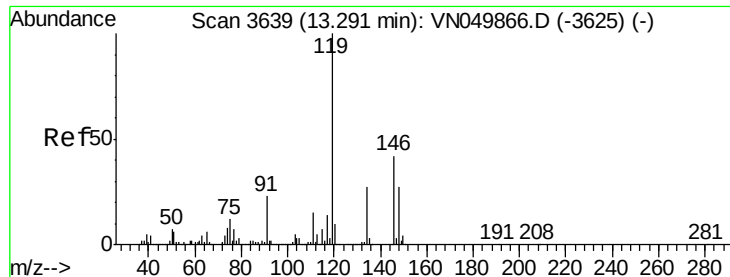
134 36.1 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

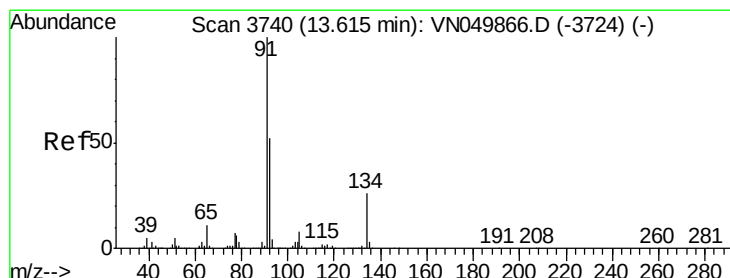
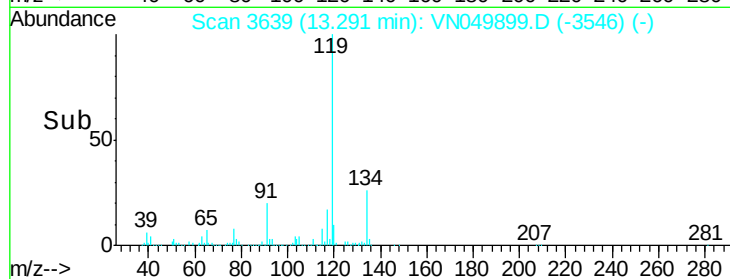
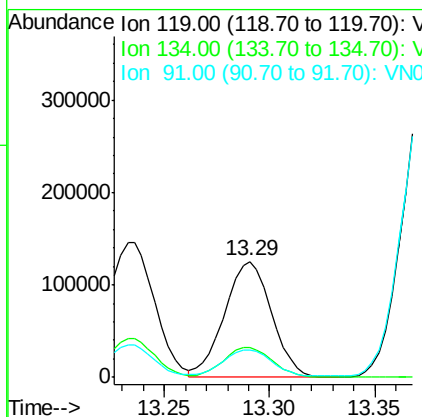
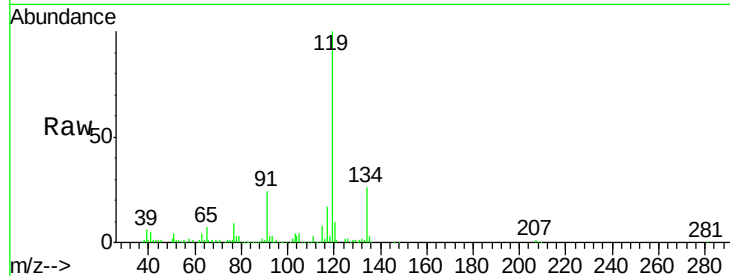




#86
 p-Isopropyltoluene
 Concen: 6.91 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

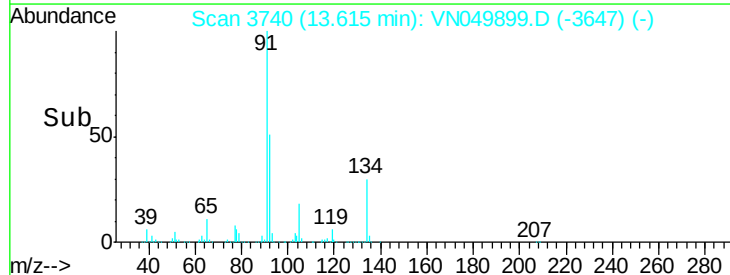
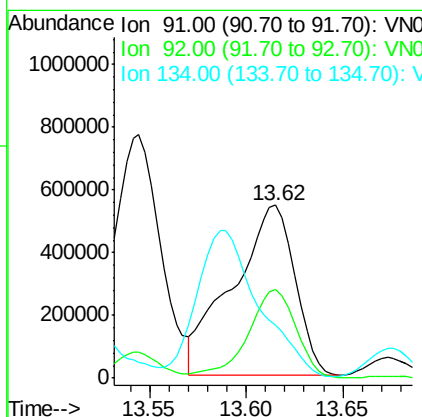
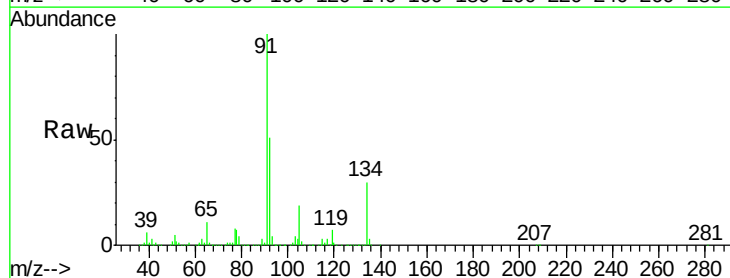
Instrument :
 MSVOA_N
 ClientSampled :

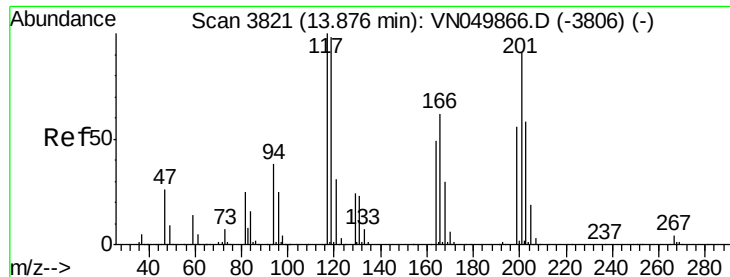
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	23.7	11.4	34.1



#89
 n-Butylbenzene
 Concen: 53.26 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.6	25.8	77.3
134	0.0	13.0	38.9#





#90

Hexachloroethane

Concen: 109.31 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

Instrument :

MSVOA_N

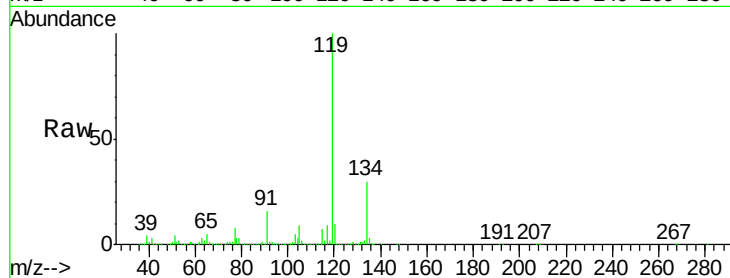
ClientSampled :

Tot Ion:117 Resp: 681463

Ion Ratio Lower Upper

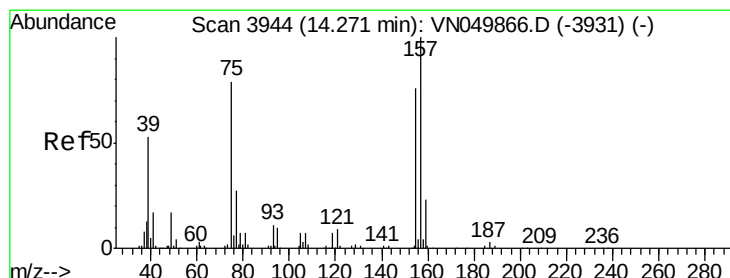
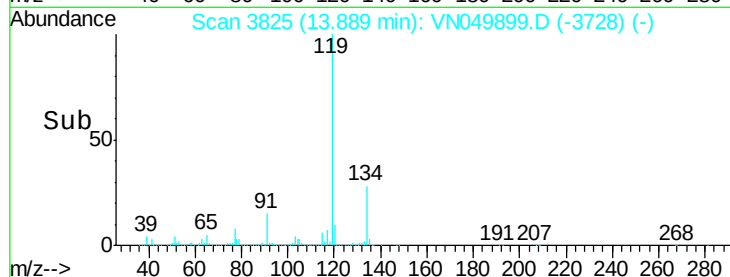
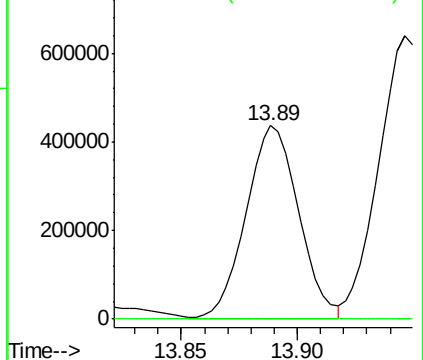
117 100

201 0.0 45.3 135.8#



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: 4.21 ug/l

RT: 14.25 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VN049899.D

Acq: 19 Jul 2018 3:35

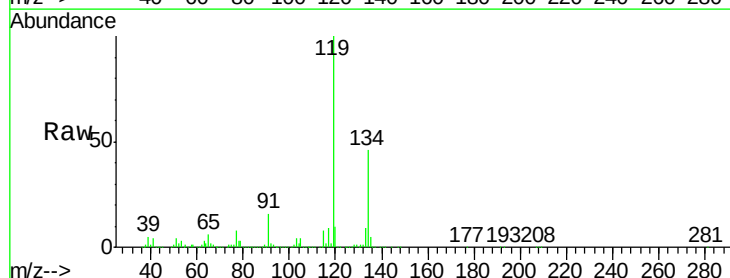
Tgt Ion: 75 Resp: 6829

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

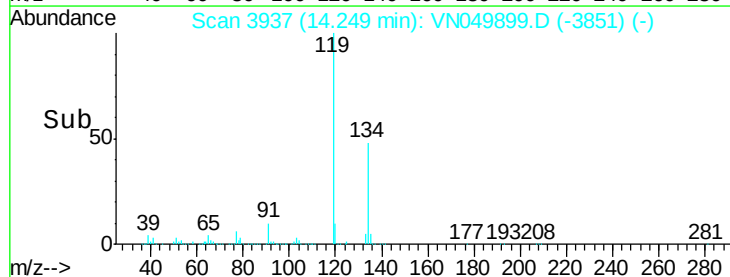
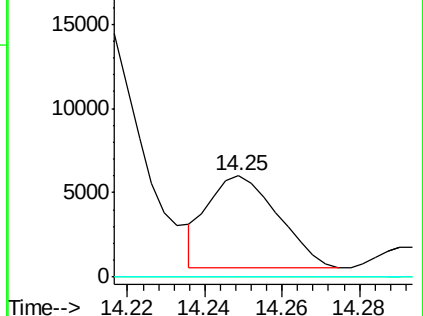
157 0.0 56.9 170.7#

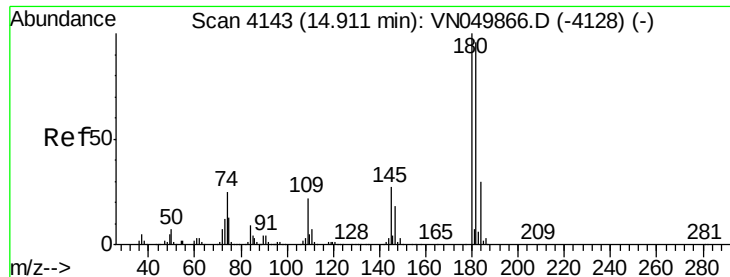


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

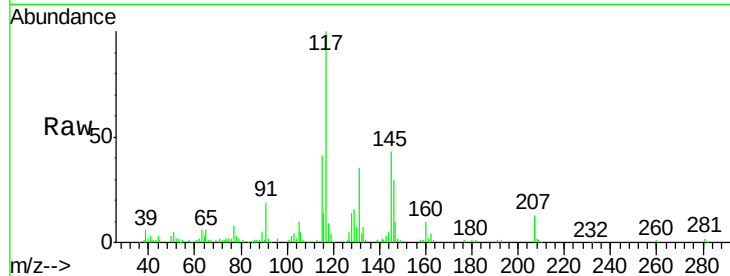




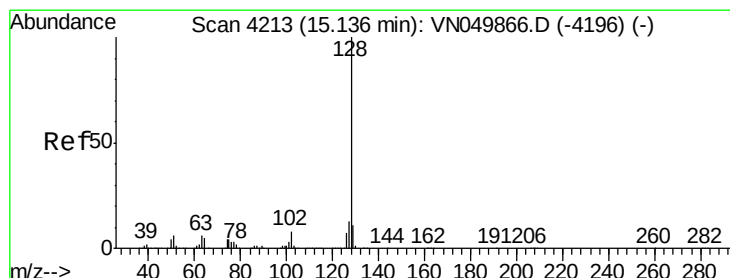
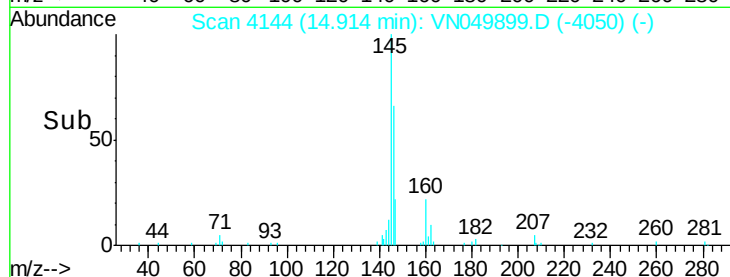
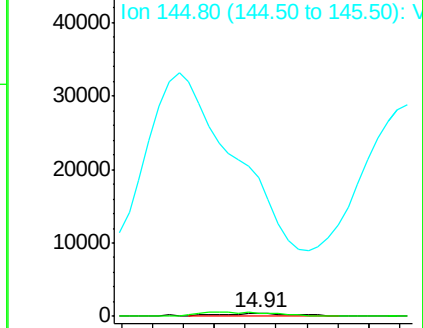
#93
 1,2,4-Trichlorobenzene
 Concen: 3.55 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 684
 Ion Ratio Lower Upper
 180 100
 182 137.3 47.3 141.9
 145 0.0 14.4 43.0#

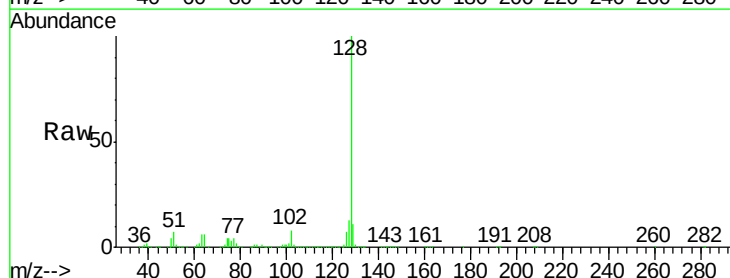


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 113.11 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049899.D
 Acq: 19 Jul 2018 3:35

Tgt Ion:128 Resp: 2606621
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.4 15.6
 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

