

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051061.D
 Acq On : 7 Sep 2018 18:19
 Operator : MD\SY
 Sample : J4693-09DL 20X
 Misc : 5.82g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

Quant Time: Sep 07 23:16:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	699561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	987874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	448839	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	406196	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	7.59	113	392584	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	10.09	98	1539602	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	627995	60.48	ug/l	0.00
Spiked Amount			Recovery	=	120.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3375	0.29	ug/l	97
5) Bromomethane	2.56	94	3982	Below	Cal	91
10) Methyl Iodide	3.95	142	2591	6.64	ug/l #	63
13) Acrolein	3.60	56	312	18.84	ug/l #	25
15) Acrylonitrile	5.00	53	1461	0.54	ug/l #	46
16) Acetone	3.83	43	3115	Below	Cal	89
17) Carbon Disulfide	4.05	76	14235	0.54	ug/l	98
18) Methyl Acetate	4.34	43	4105	0.52	ug/l #	73
20) Methylene Chloride	4.54	84	2045	0.22	ug/l #	55
21) trans-1,2-Dichloroethene	5.04	96	2038	0.24	ug/l	85
29) Tetrahydrofuran	7.22	42	955	0.49	ug/l #	89
31) Cyclohexane	7.66	56	19012	1.78	ug/l #	12
38) Carbon Tetrachloride	7.67	117	60306	4.81	ug/l #	17
39) Methylcyclohexane	9.08	83	79785	5.95	ug/l	99
48) Methyl methacrylate	9.14	41	2564	0.41	ug/l #	24
49) 1,4-Dioxane	9.21	88	162	1.90	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	2957	0.40	ug/l #	76
55) 1,1,2-Trichloroethane	10.53	97	59638	7.26	ug/l #	19
56) Ethyl methacrylate	10.43	69	30001	5.02	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	81	12.24	ug/l #	47
59) 2-Hexanone	10.72	43	155479	31.97	ug/l #	28
67) Ethyl Benzene	11.51	91	10593	0.25	ug/l	98
68) m/p-Xylenes	11.62	106	4865	0.31	ug/l	74
70) Styrene	11.97	104	4016	1.42	ug/l #	73
73) Isopropylbenzene	12.25	105	969851	26.10	ug/l	100
74) N-amyl acetate	12.04	43	1112660	119.15	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.47	83	119497	12.25	ug/l #	26
76) 1,2,3-Trichloropropane	12.59	75	16378	2.08	ug/l #	100
77) Bromobenzene	12.52	156	2731	0.27	ug/l #	12
78) n-propylbenzene	12.59	91	2720342	65.52	ug/l	100
79) 2-Chlorotoluene	12.59	91	2720342	105.19	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	7779	0.26	ug/l #	28
81) trans-1,4-Dichloro-2-buten	12.25	75	9714	4.18	ug/l #	3
82) 4-Chlorotoluene	12.59	91	2727002	106.81	ug/l #	40

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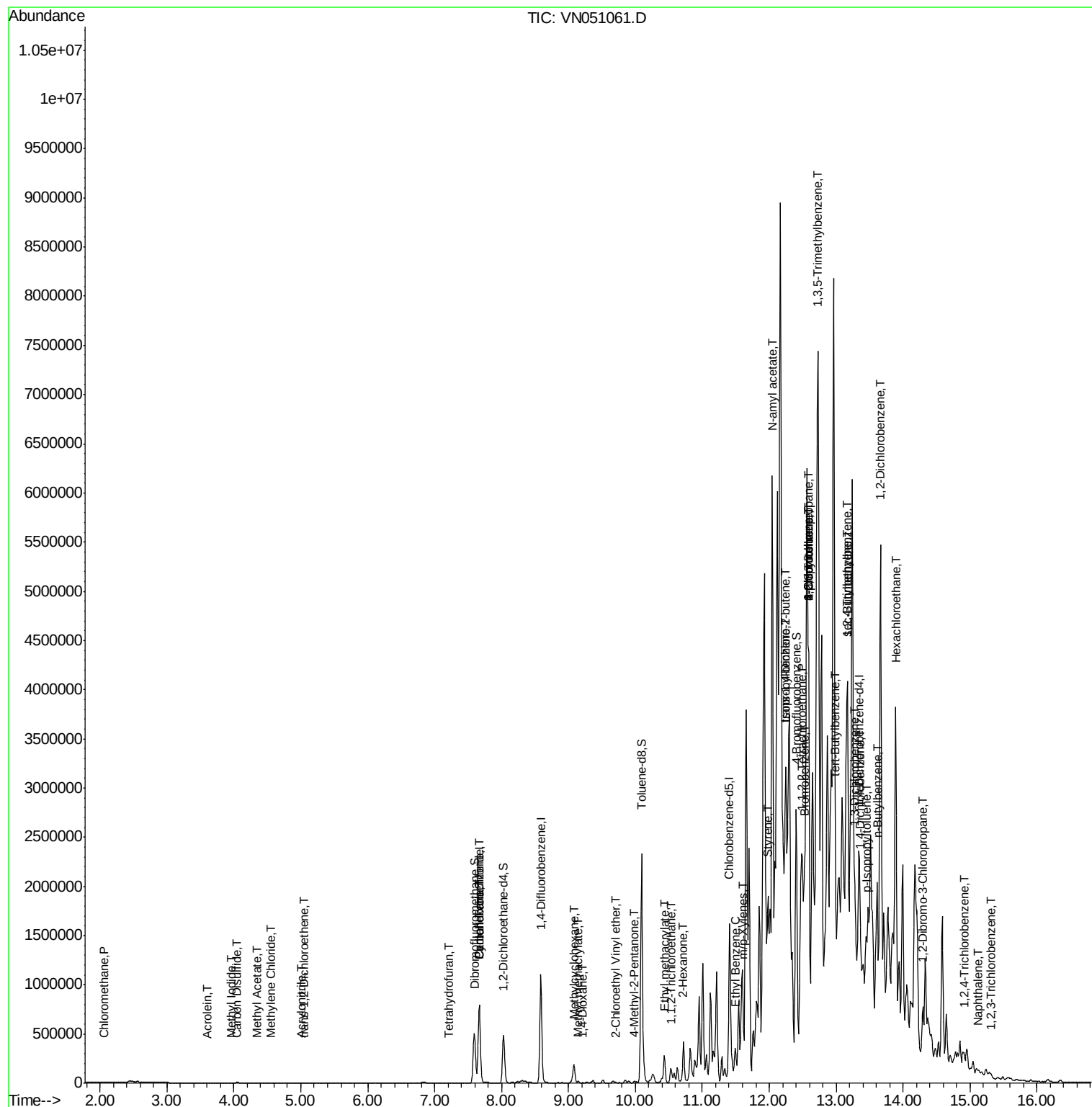
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	171660	6.61	ug/l	90
84) 1,2,4-Trimethylbenzene	13.17	105	1174897	38.95	ug/l #	31
85) sec-Butylbenzene	13.17	105	1174897	34.52	ug/l #	64
86) p-Isopropyltoluene	13.44	119	304780	10.51	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	5877	0.34	ug/l #	1
88) 1,4-Dichlorobenzene	13.36	146	7234	0.43	ug/l #	1
89) n-Butylbenzene	13.62	91	715155	30.84	ug/l	90
90) Hexachloroethane	13.89	117	137687	25.01	ug/l #	4
91) 1,2-Dichlorobenzene	13.65	146	6032	0.36	ug/l #	71
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1633	1.22	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	11344	5.29	ug/l #	1
94) Hexachlorobutadiene	15.00	225	4931	Below	Cal	98
95) Naphthalene	15.13	128	42512	7.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	14321	4.95	ug/l #	85

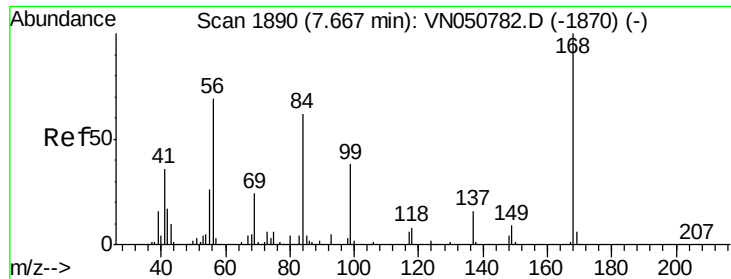
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

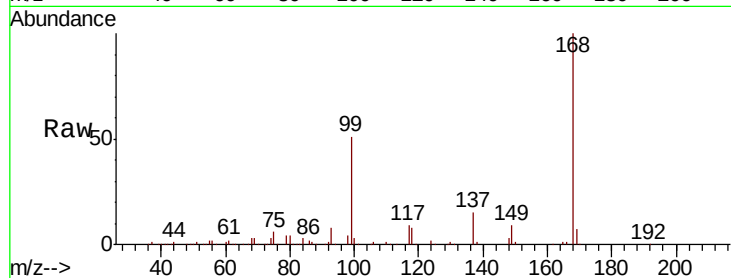
EP1-MW-C(10-15)DL

Tot Ion:168 Resp: 699561

Ion Ratio Lower Upper

168 100

99 50.9 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

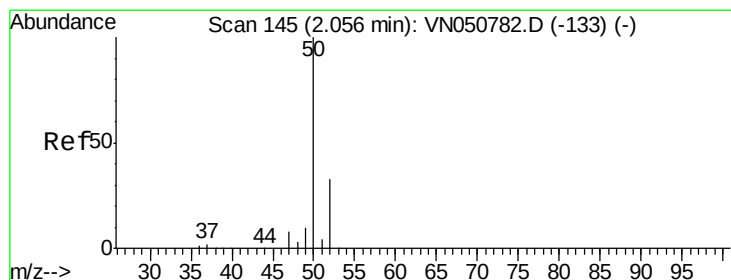
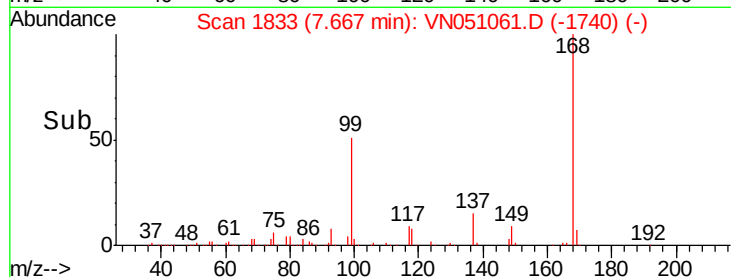
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.29 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051061.D

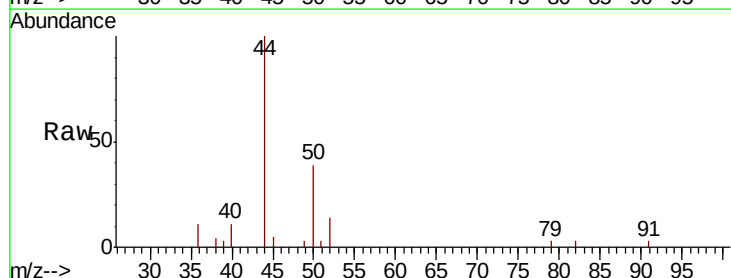
Acq: 7 Sep 2018 18:19

Tgt Ion: 50 Resp: 3375

Ion Ratio Lower Upper

50 100

52 34.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

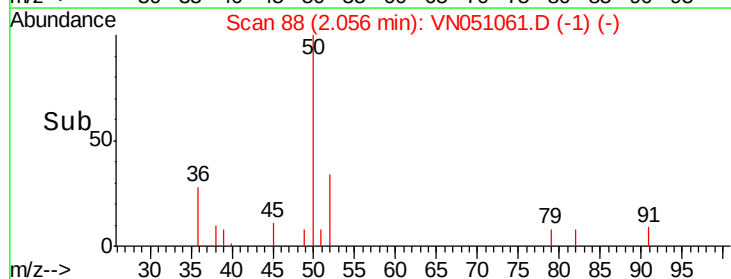
1500

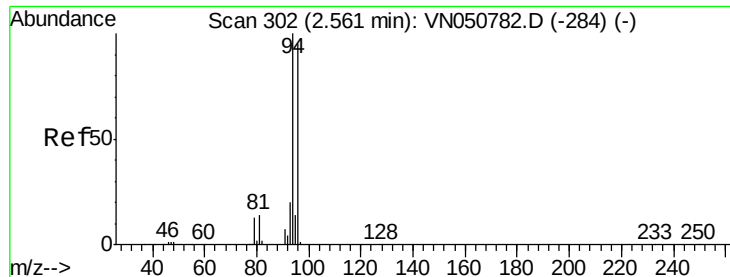
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

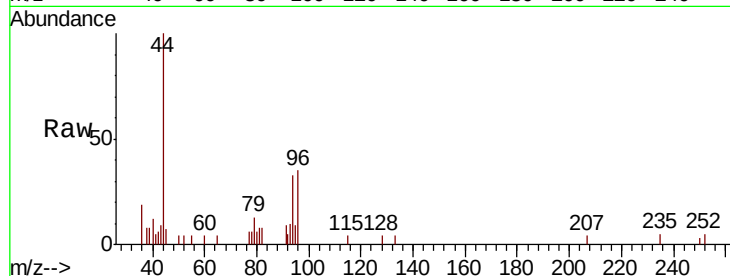
EP1-MW-C(10-15)DL

Tot Ion: 94 Resp: 3982

Ion Ratio Lower Upper

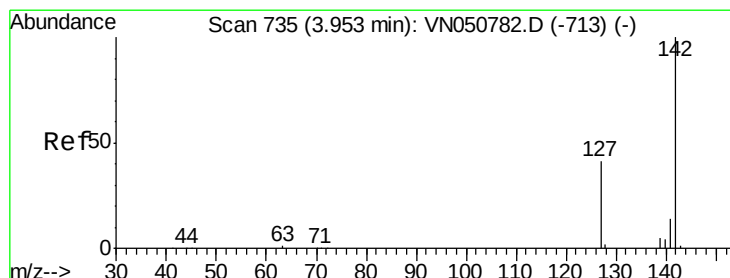
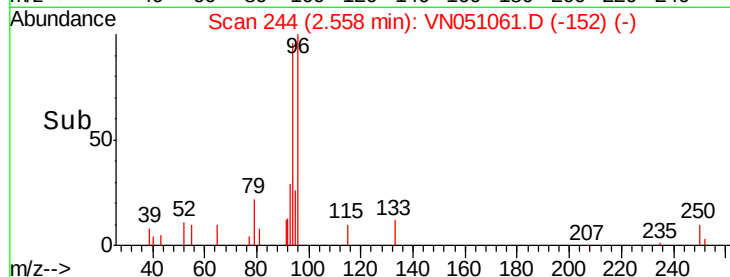
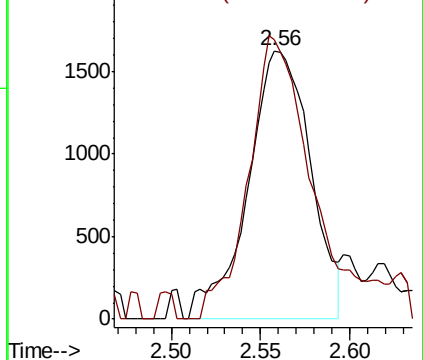
94 100

96 104.2 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN051061.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051061.D (-152) (-)



#10

Methyl Iodide

Concen: 6.64 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

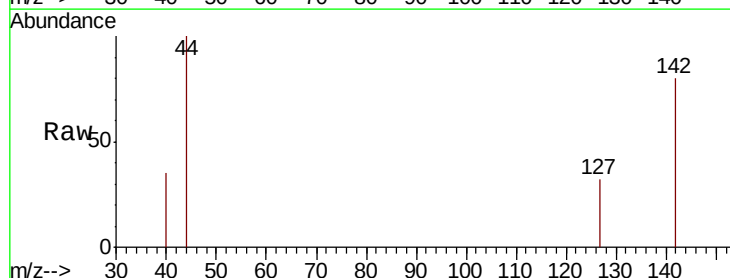
Tgt Ion: 142 Resp: 2591

Ion Ratio Lower Upper

142 100

127 16.1 31.7 47.5#

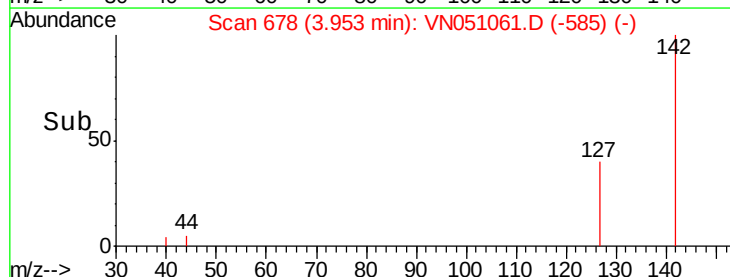
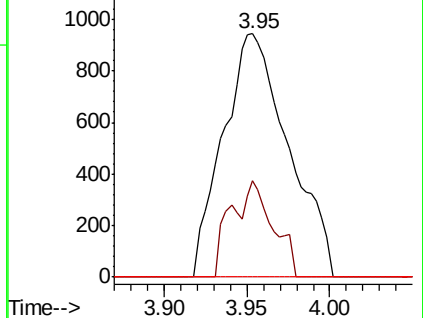
141 0.0 11.4 17.0#

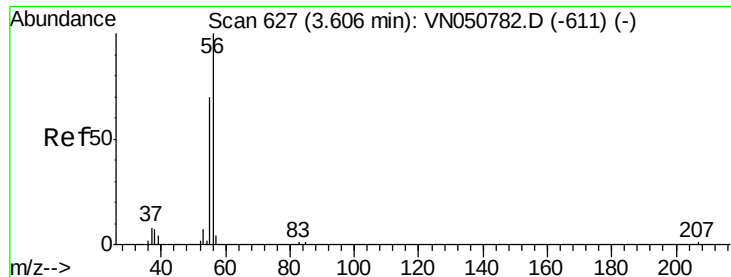


Abundance Ion 141.80 (141.50 to 142.50): VN051061.D (-585) (-)

Ion 126.80 (126.50 to 127.50): VN051061.D (-585) (-)

Ion 140.80 (140.50 to 141.50): VN051061.D (-585) (-)





#13

Acrolein

Concen: 18.84 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

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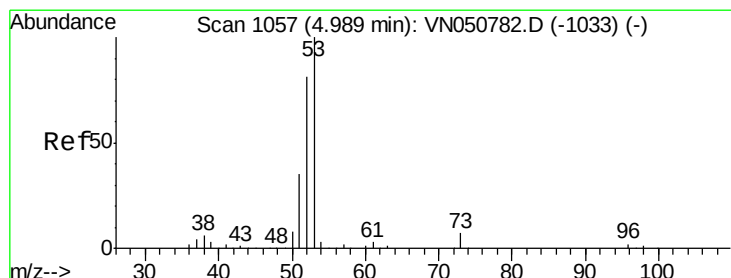
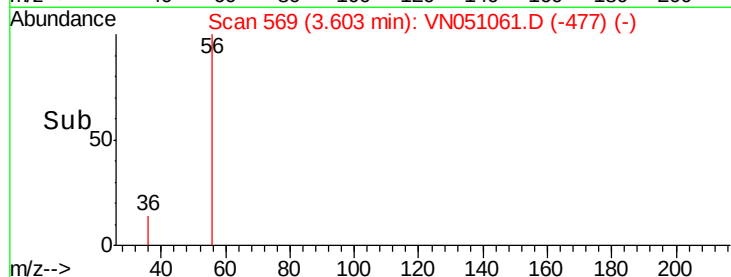
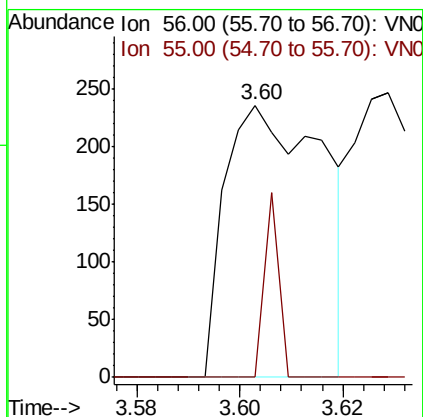
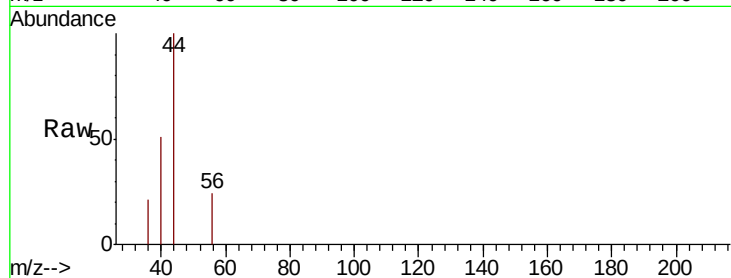
EP1-MW-C(10-15)DL

Tot Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 9.9 57.7 86.5#



#15

Acrylonitrile

Concen: 0.54 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

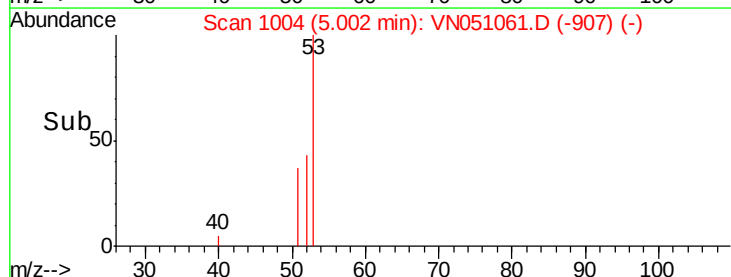
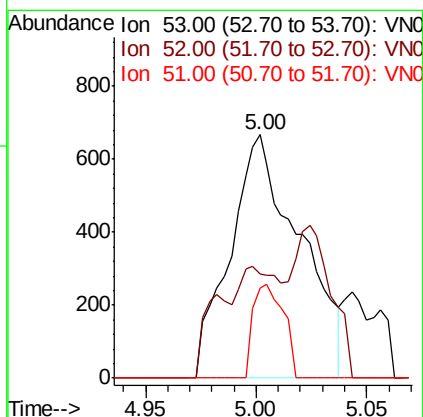
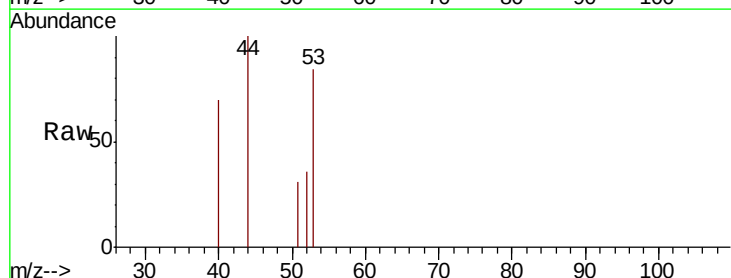
Tgt Ion: 53 Resp: 1461

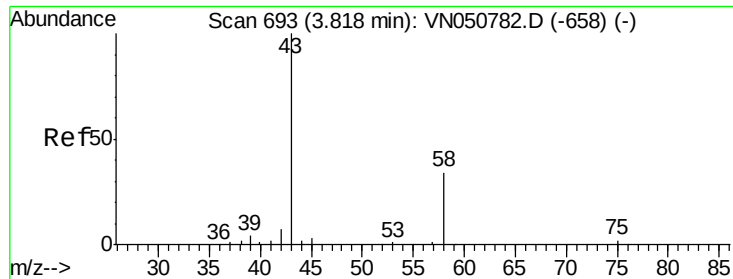
Ion Ratio Lower Upper

53 100

52 25.9 65.9 98.9#

51 16.8 28.6 43.0#

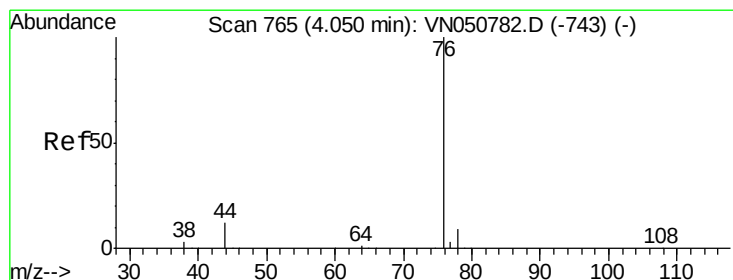
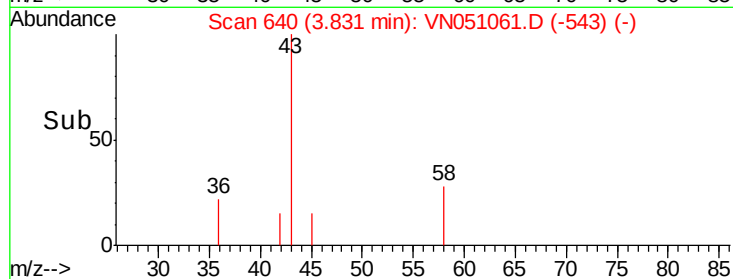
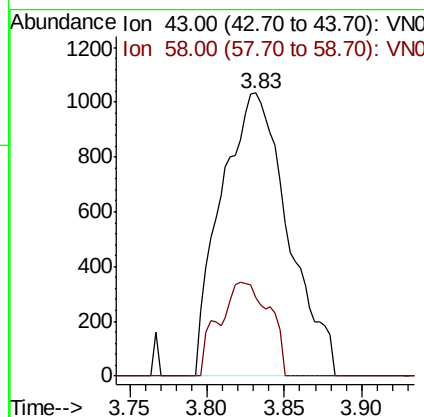
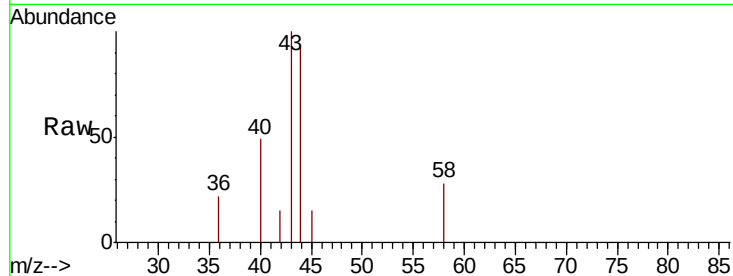




#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

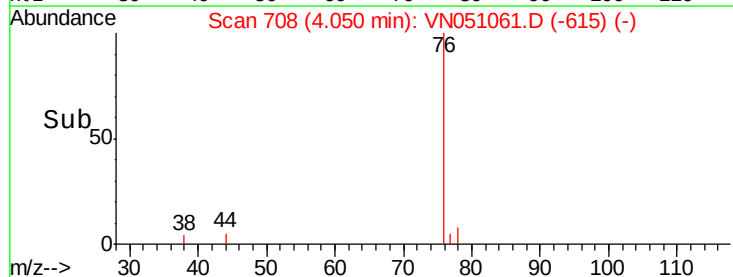
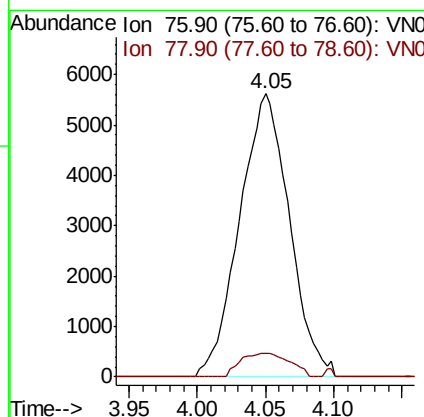
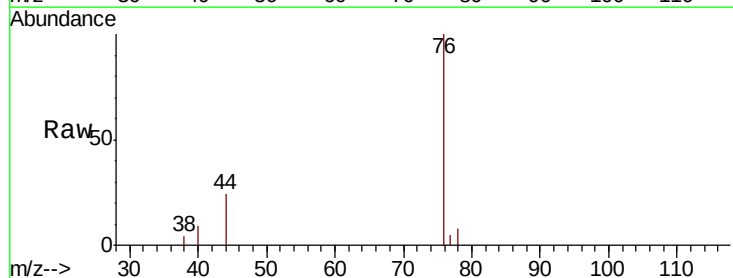
Instrument :
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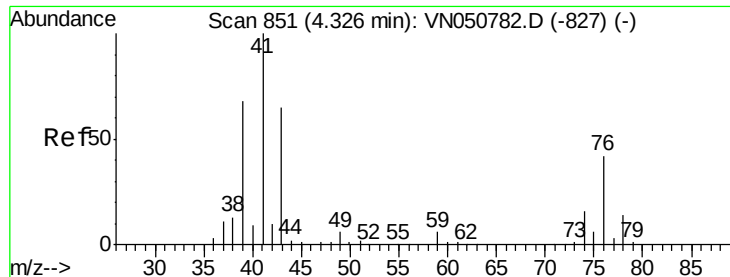
Tot Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
58 27.9 27.2 40.8



#17
Carbon Disulfide
Concen: 0.54 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 76 Resp: 14235
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9

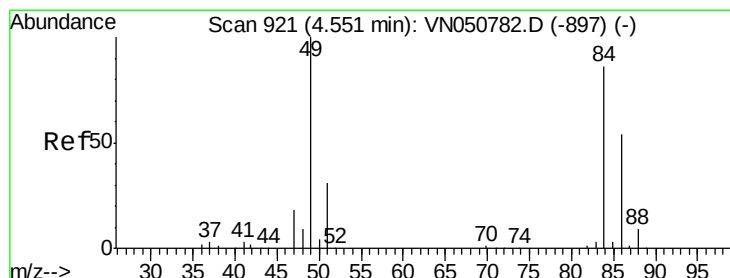
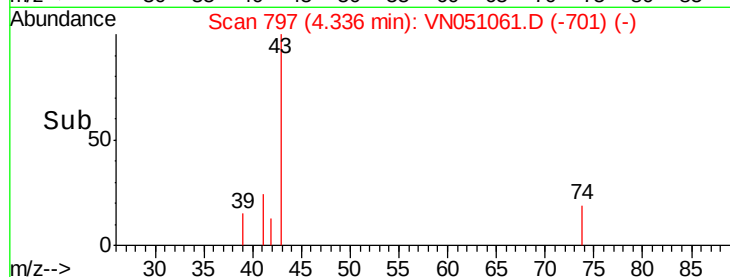
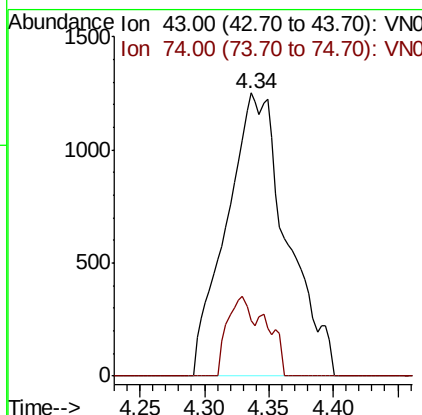
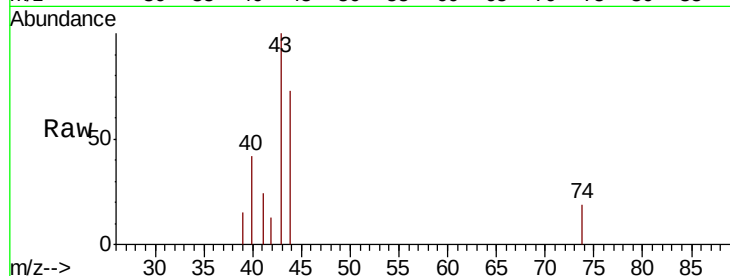




#18
Methvl Acetate
Concen: 0.52 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

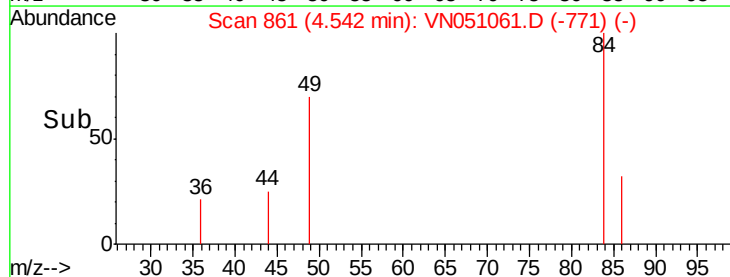
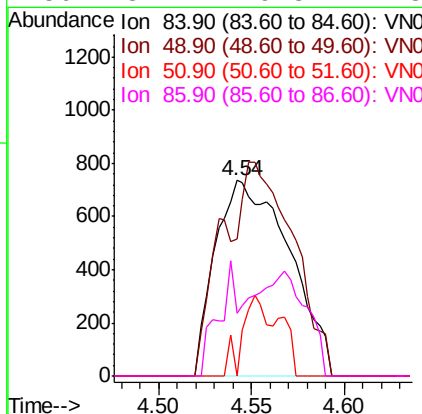
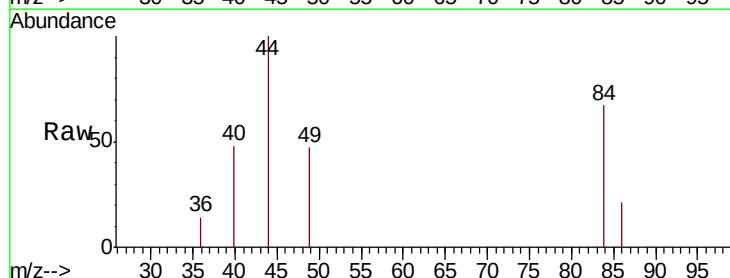
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

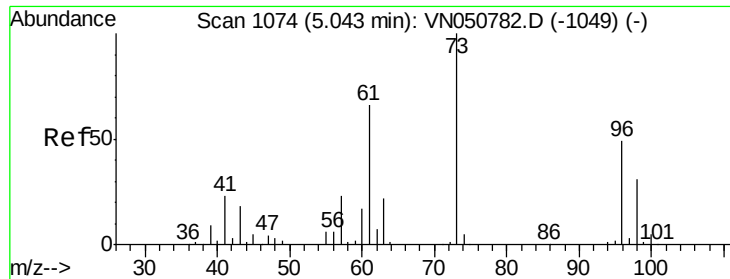
Tot Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
74 11.4 19.8 29.8#



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 84 Resp: 2045
Ion Ratio Lower Upper
84 100
49 70.1 93.2 139.8#
51 0.0 29.0 43.6#
86 32.2 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

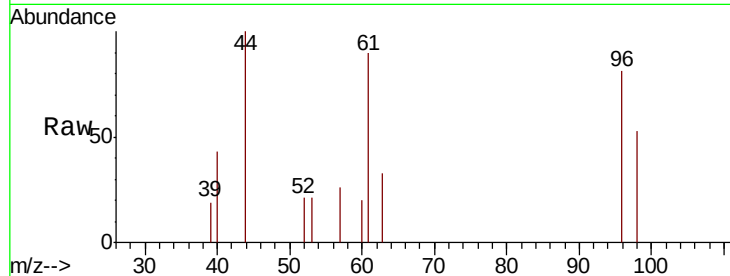
Tot Ion: 96 Resp: 2038

Ion Ratio Lower Upper

96 100

61 110.4 107.4 161.0

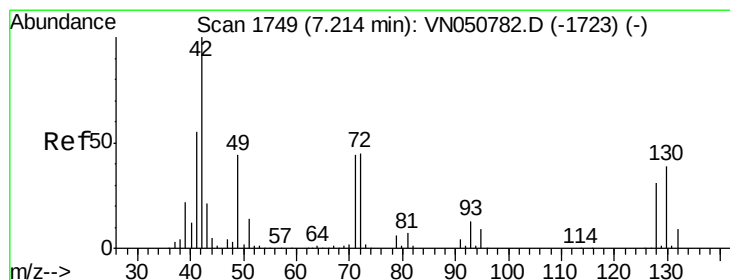
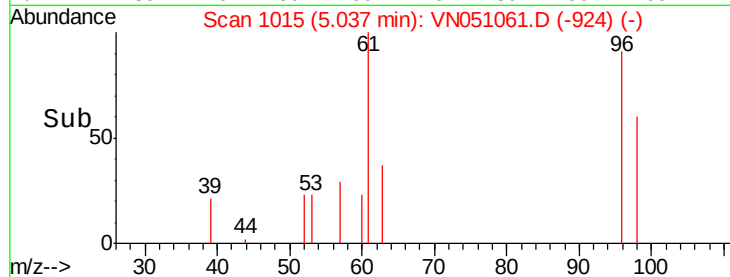
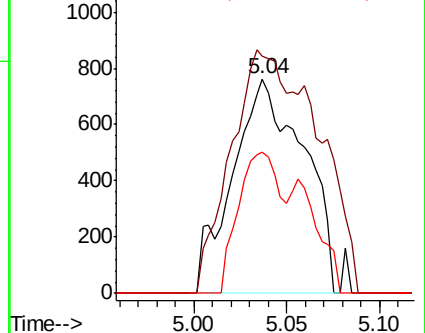
98 65.7 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN051061.D (-1599) (-)

Ion 60.90 (60.60 to 61.60): VN051061.D (-1599) (-)

Ion 97.90 (97.60 to 98.60): VN051061.D (-1599) (-)



#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

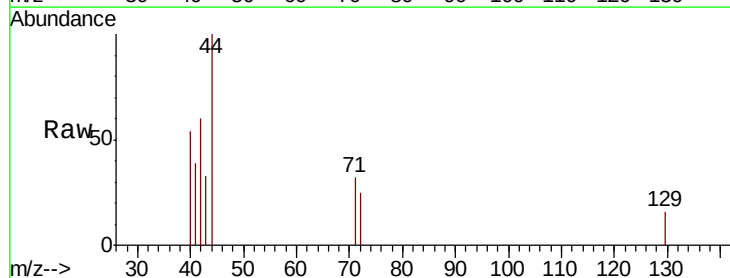
Tgt Ion: 42 Resp: 955

Ion Ratio Lower Upper

42 100

72 34.8 35.5 53.3#

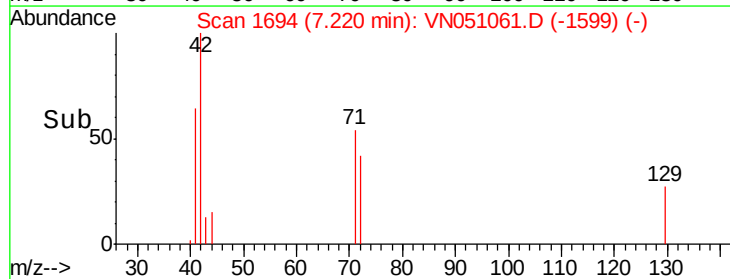
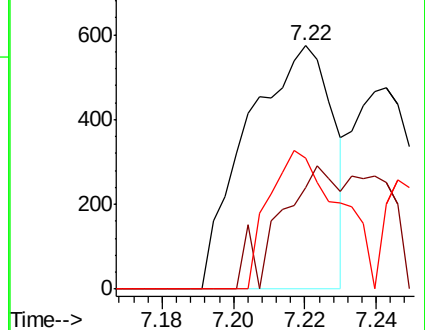
71 46.9 33.7 50.5

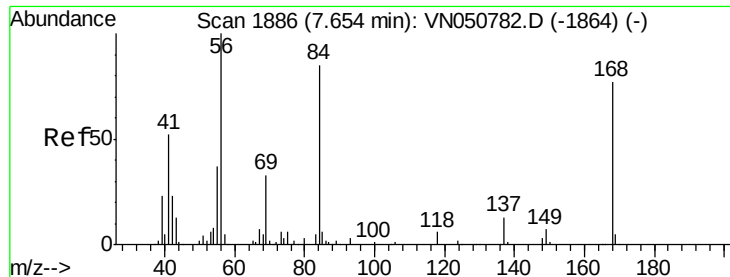


Abundance Ion 42.00 (41.70 to 42.70): VN051061.D (-1599) (-)

Ion 72.00 (71.70 to 72.70): VN051061.D (-1599) (-)

Ion 71.00 (70.70 to 71.70): VN051061.D (-1599) (-)

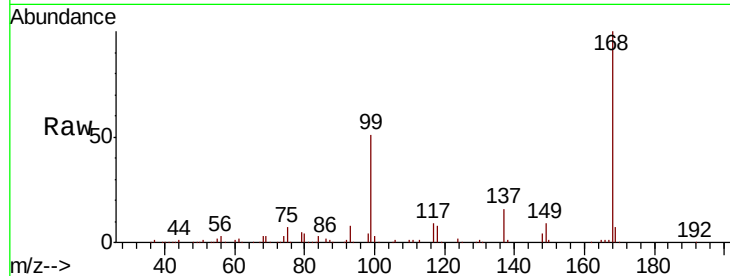




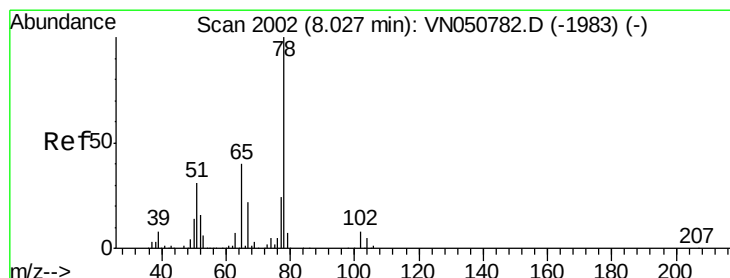
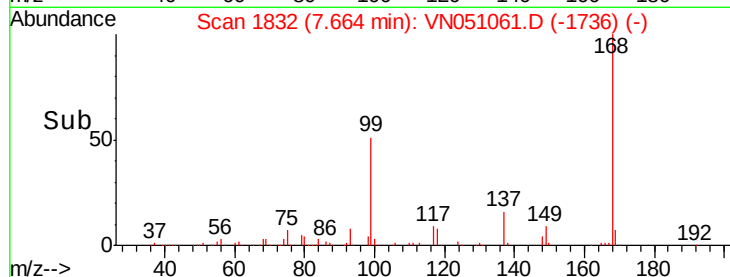
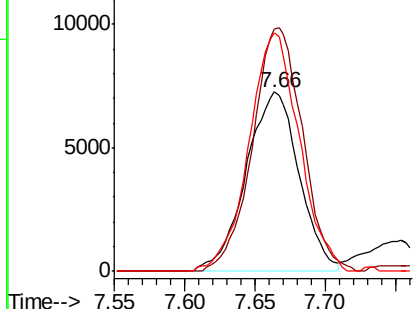
#31
Cyclohexane
Concen: 1.78 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

Tot Ion: 56 Resp: 19012
Ion Ratio Lower Upper
56 100
69 135.1 26.2 39.4#
84 133.3 68.3 102.5#

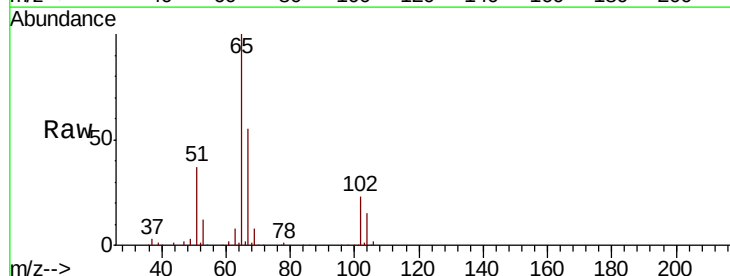


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

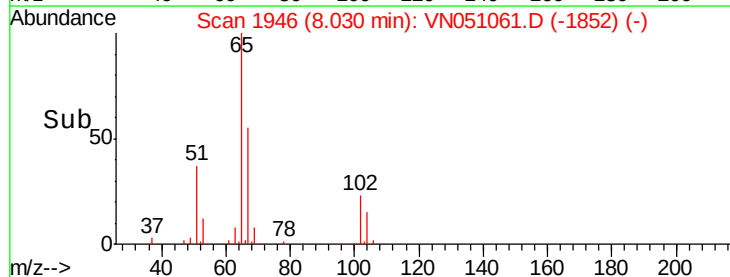
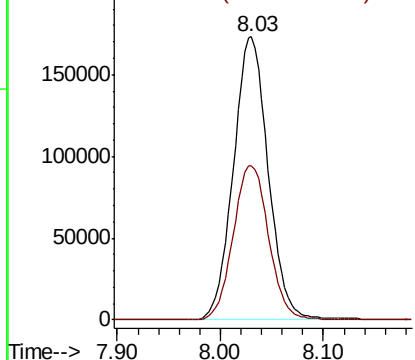


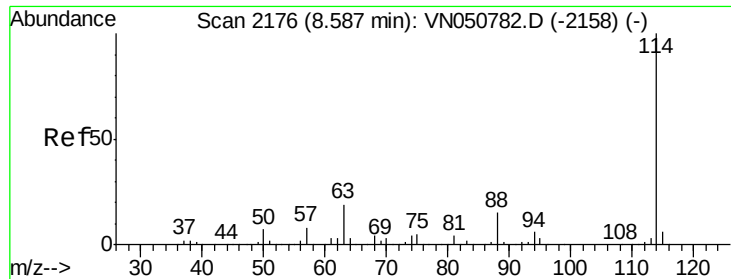
#33
1,2-Dichloroethane-d4
Concen: 48.23 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 65 Resp: 406196
Ion Ratio Lower Upper
65 100
67 55.7 0.0 110.4



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

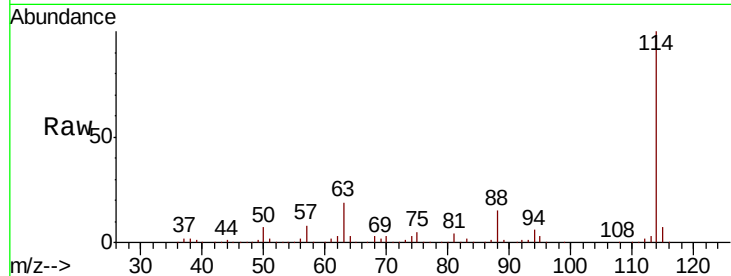




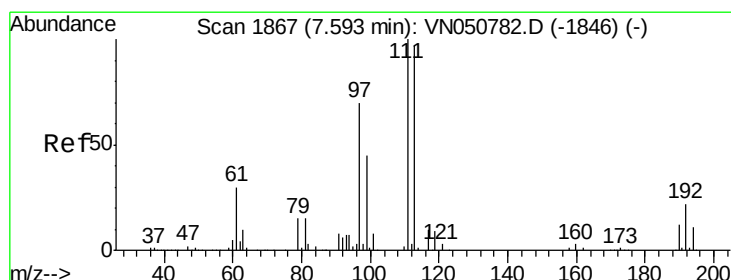
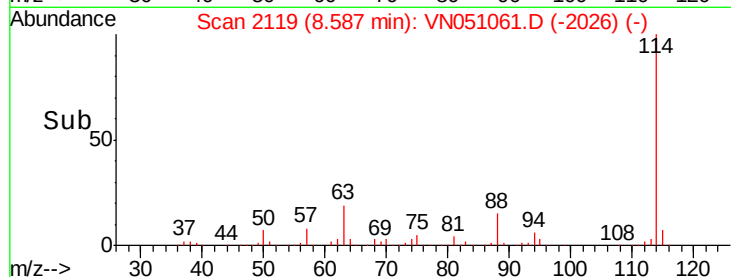
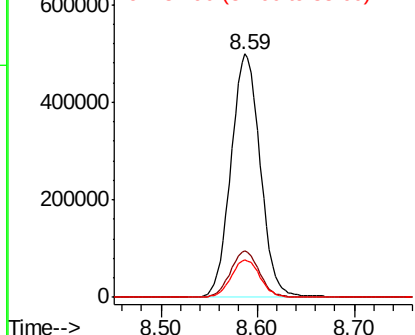
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

Tot Ion:114 Resp: 1050495
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.4 0.0 30.6

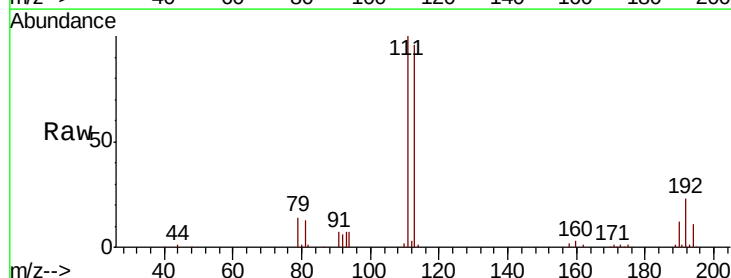


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

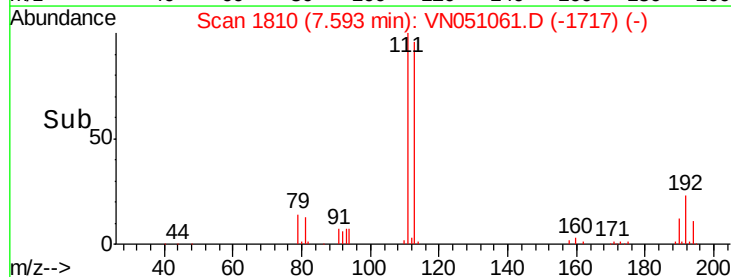
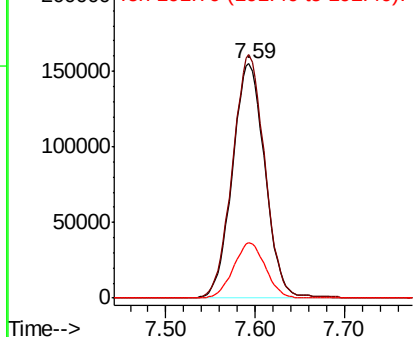


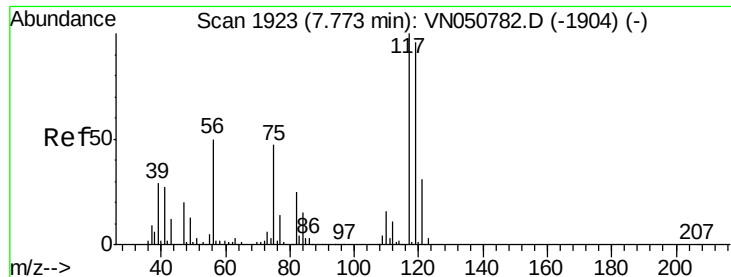
#35
 Dibromofluoromethane
 Concen: 46.97 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Tgt Ion:113 Resp: 392584
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.6 123.8
 192 23.3 18.0 27.0



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

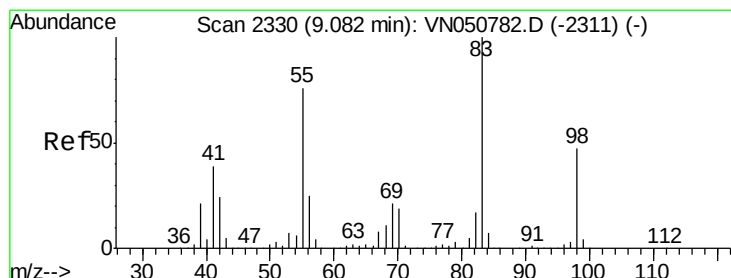
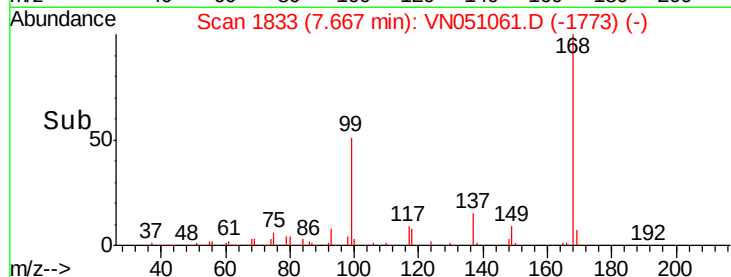
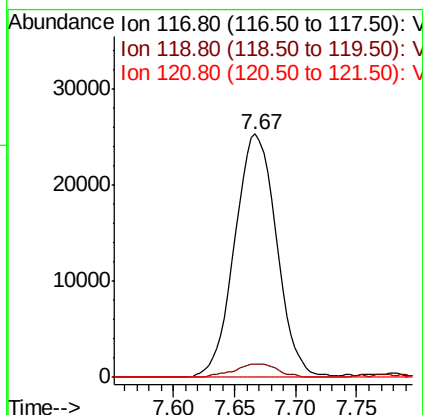
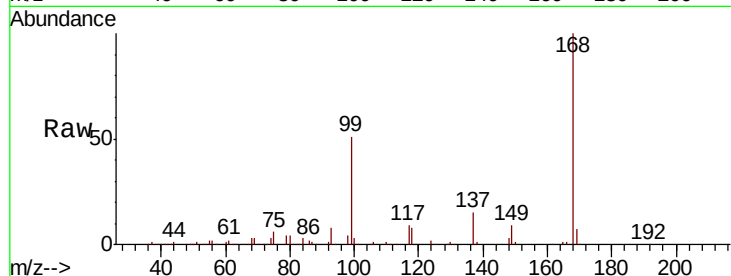




#38
Carbon Tetrachloride
Concen: 4.81 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

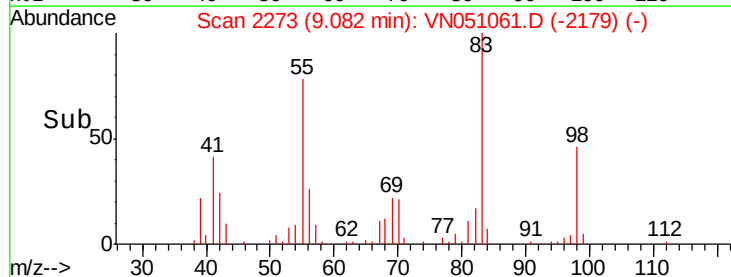
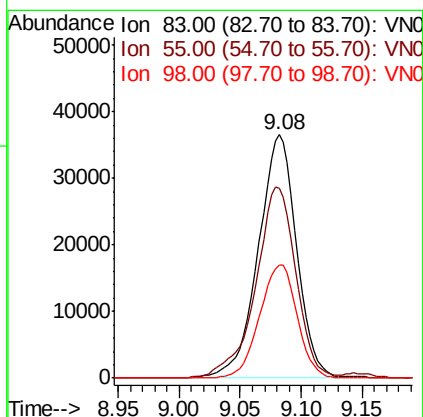
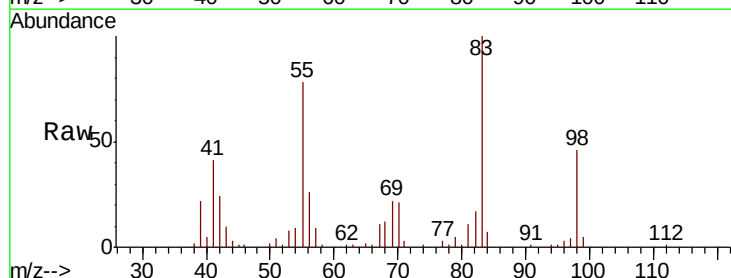
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

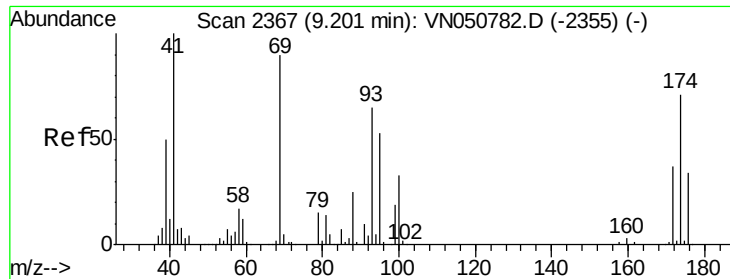
Tot Ion:117 Resp: 60306
Ion Ratio Lower Upper
117 100
119 5.6 76.3 114.5#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 5.95 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 83 Resp: 79785
Ion Ratio Lower Upper
83 100
55 77.8 61.0 91.4
98 46.4 37.5 56.3

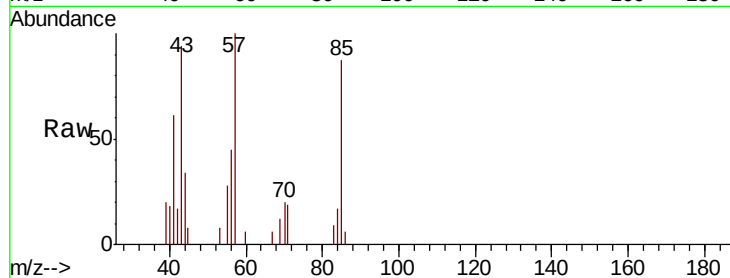




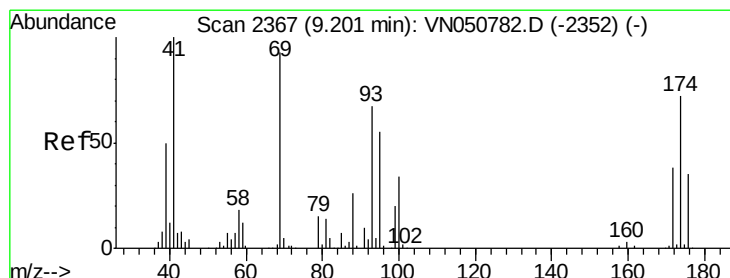
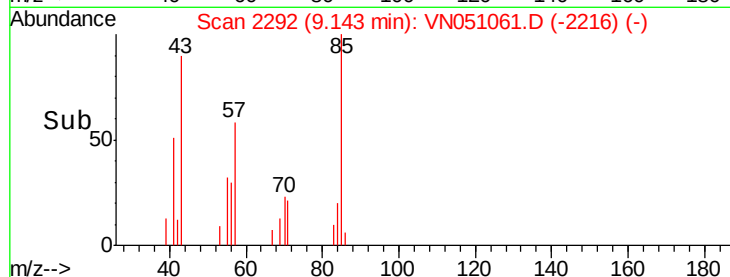
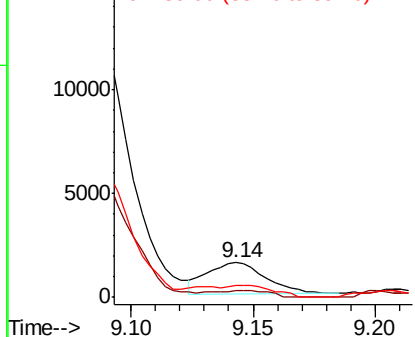
#48
Methvl methacrylate
Concen: 0.41 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.06 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

Tot Ion: 41 Resp: 2564
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 25.0 42.2 63.2#

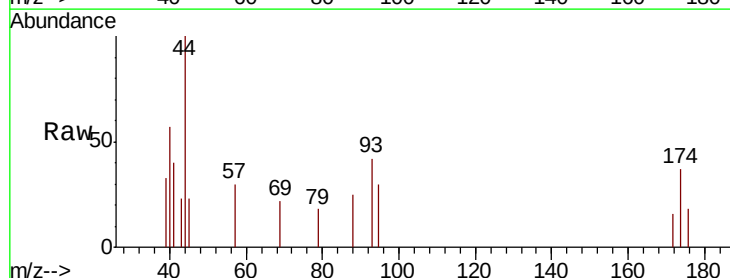


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

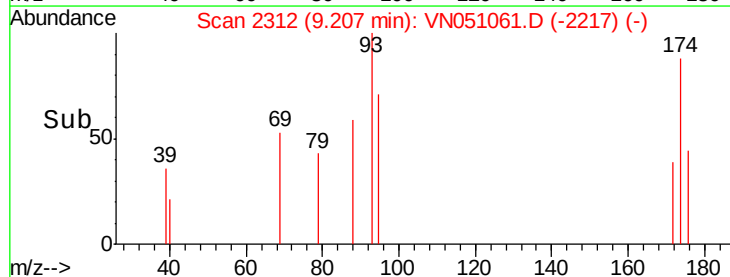
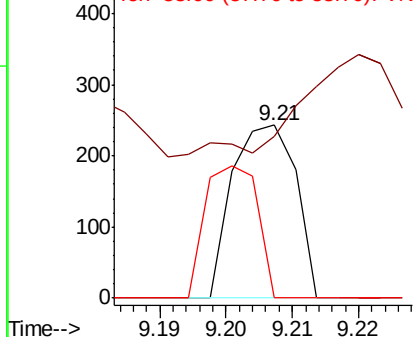


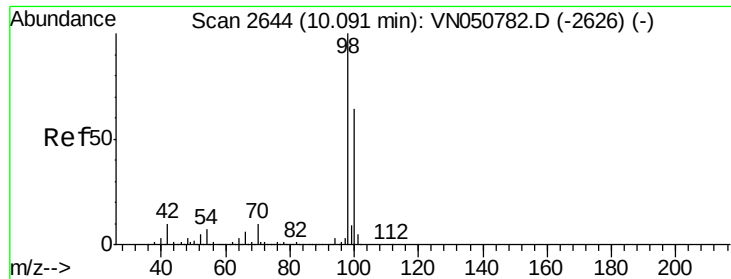
#49
1,4-Dioxane
Concen: 1.90 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 88 Resp: 162
Ion Ratio Lower Upper
88 100
43 0.0 25.9 38.9#
58 63.0 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.27 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

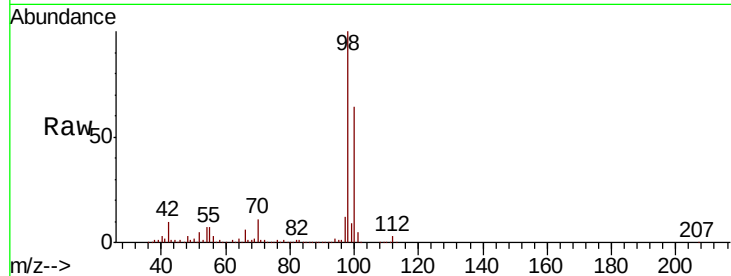
EP1-MW-C(10-15)DL

Tot Ion: 98 Resp: 1539602

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

800000

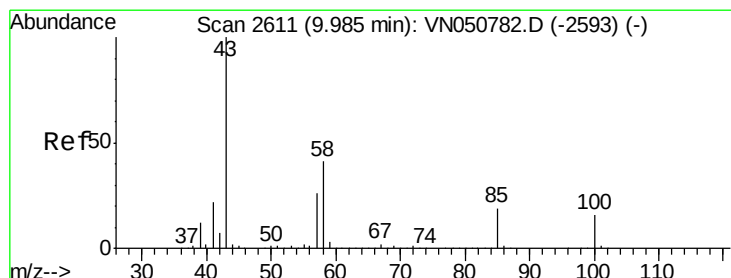
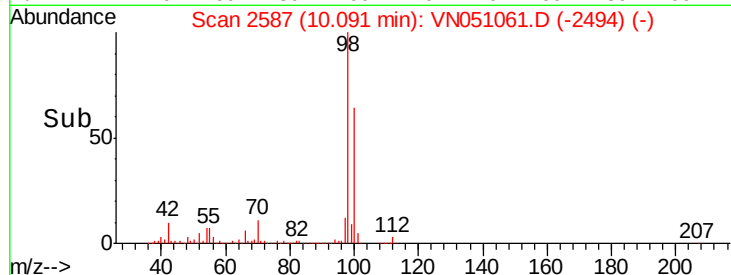
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.40 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051061.D

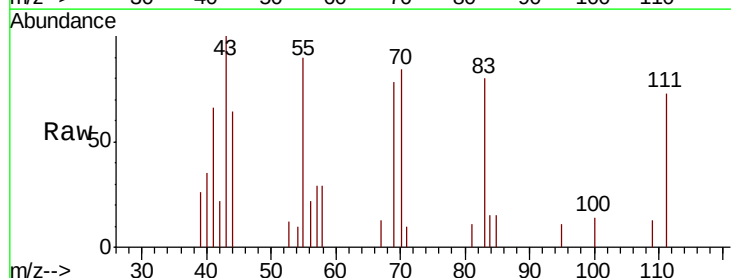
Acq: 7 Sep 2018 18:19

Tgt Ion: 43 Resp: 2957

Ion Ratio Lower Upper

43 100

58 25.8 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

2000

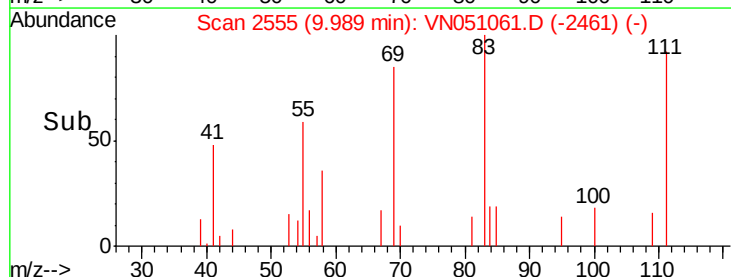
1500

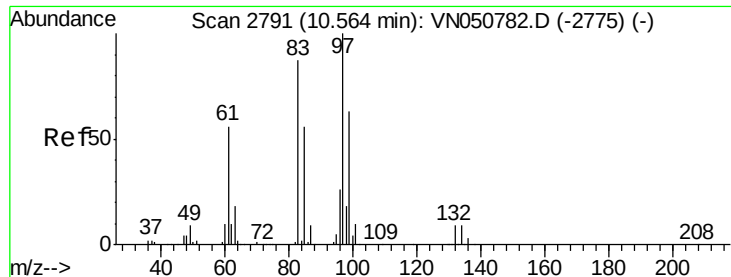
1000

500

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 7.26 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

Tot Ion: 97 Resp: 59638

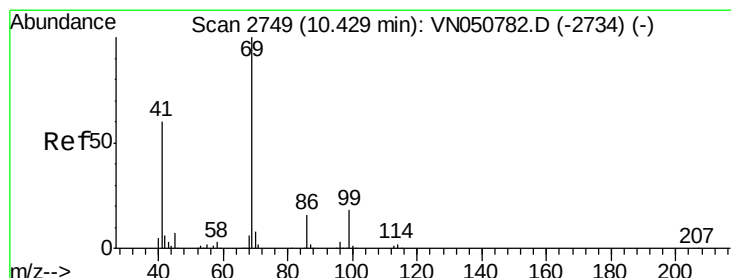
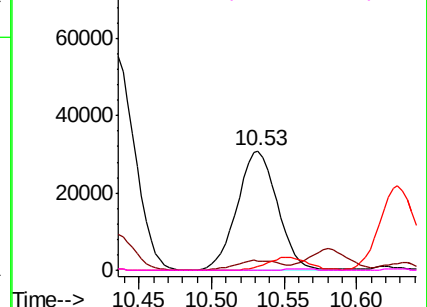
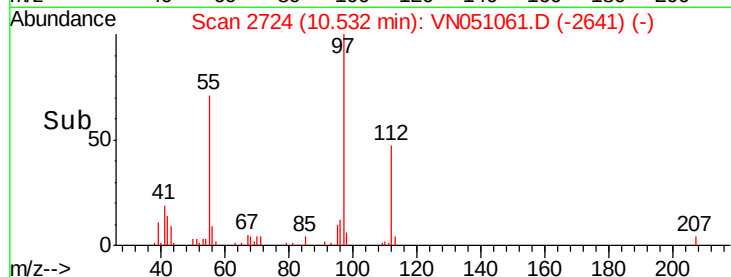
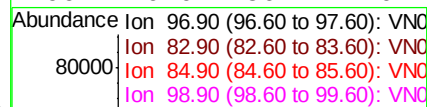
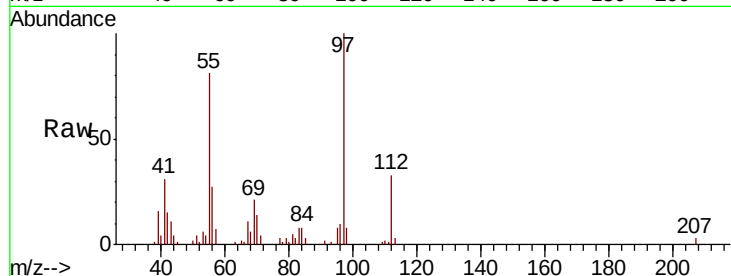
Ion Ratio Lower Upper

97 100

83 8.0 69.7 104.5#

85 3.3 44.5 66.7#

99 0.0 50.7 76.1#



#56

Ethyl methacrylate

Concen: 5.02 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

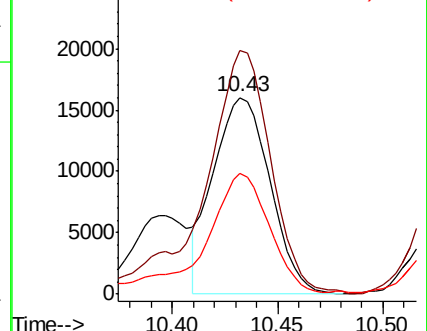
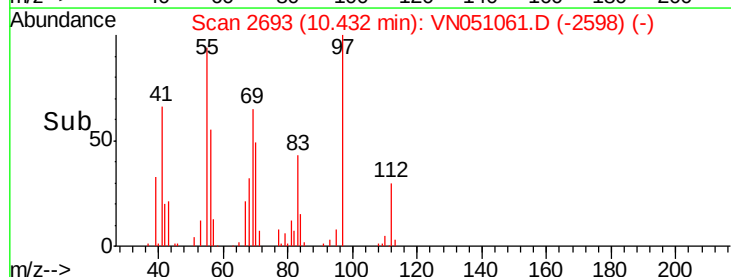
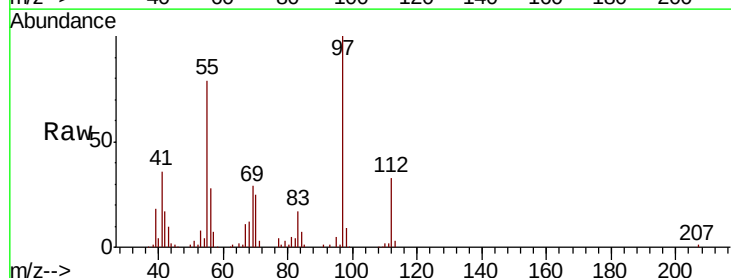
Tgt Ion: 69 Resp: 30001

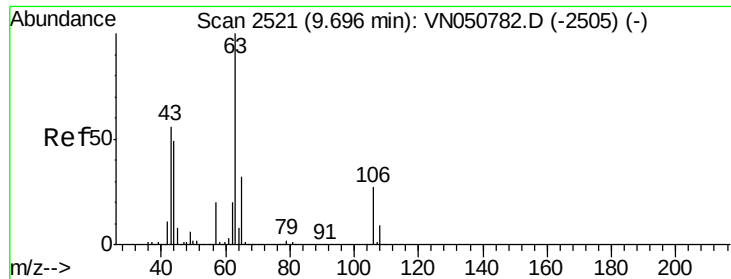
Ion Ratio Lower Upper

69 100

41 148.8 48.3 72.5#

39 73.0 24.0 36.0#

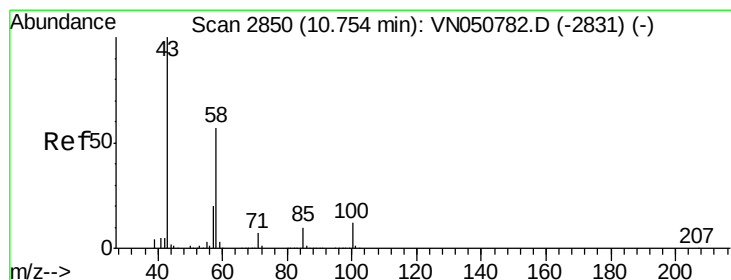
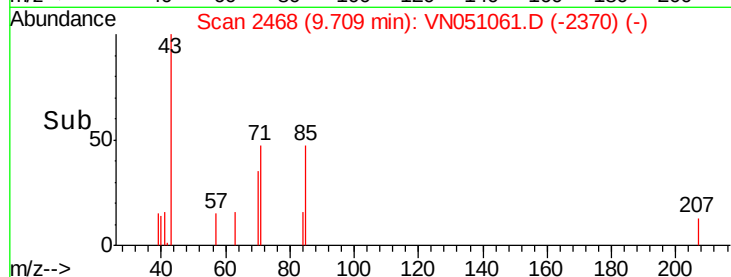
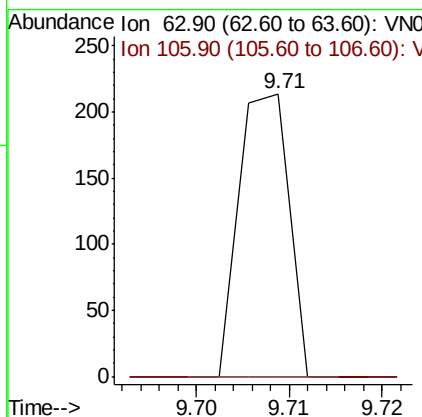
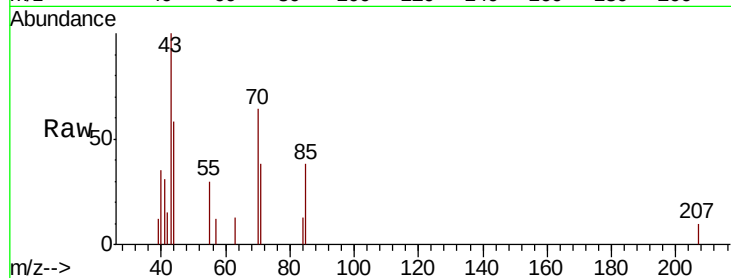




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.24 ug/l
 RT: 9.71 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

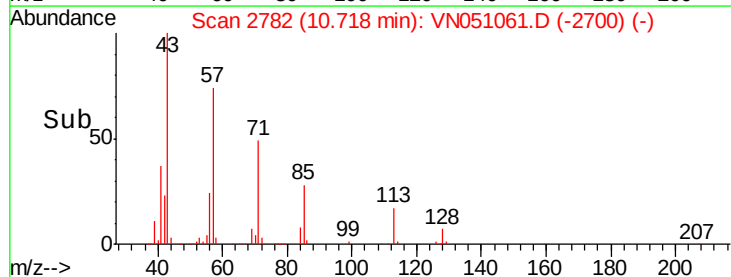
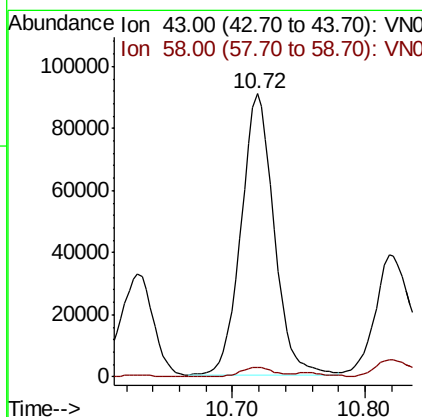
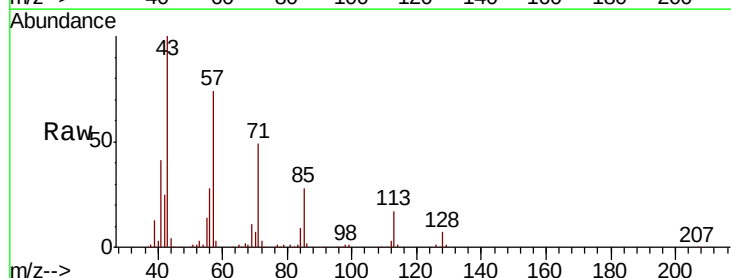
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

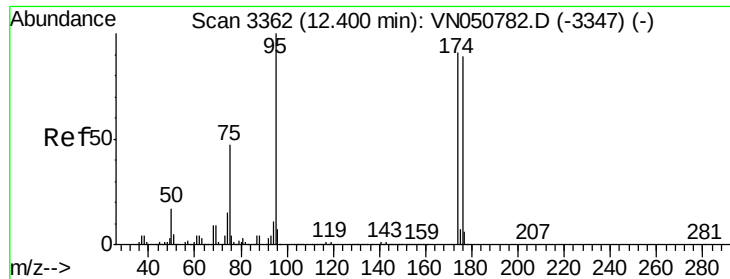
Tot Ion: 63 Resp: 81
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.9 32.9#



#59
 2-Hexanone
 Concen: 31.97 ug/l
 RT: 10.72 min Scan# 2782
 Delta R.T. -0.04 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Tgt Ion: 43 Resp: 155479
 Ion Ratio Lower Upper
 43 100
 58 3.5 28.3 85.0#

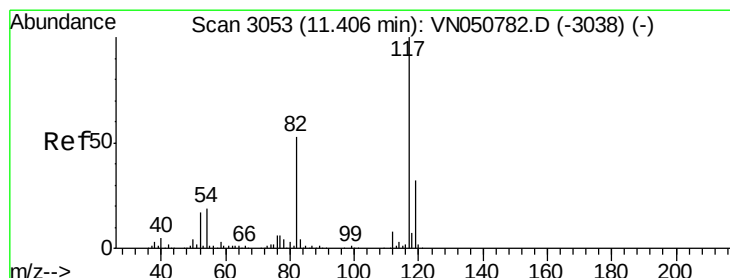
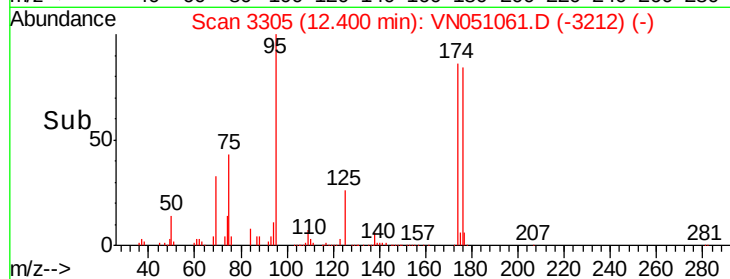
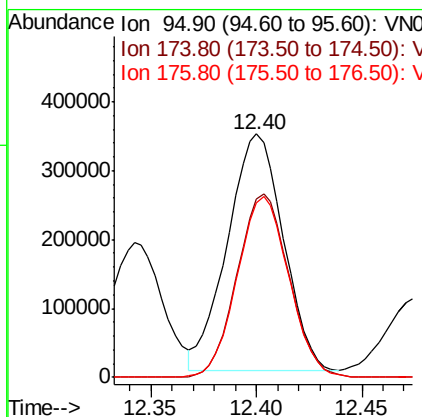
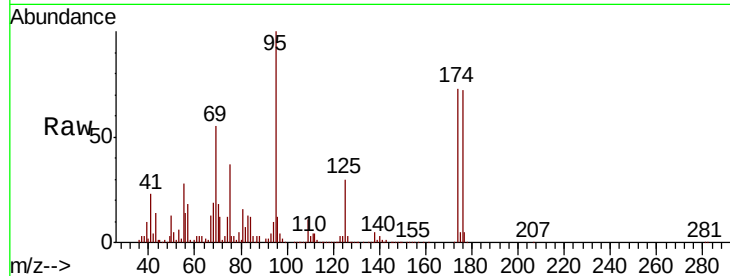




#62
4-Bromofluorobenzene
Concen: 60.48 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

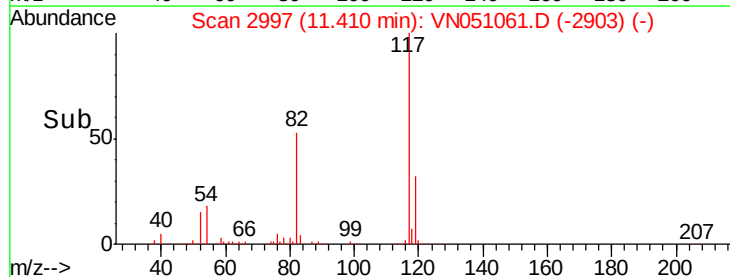
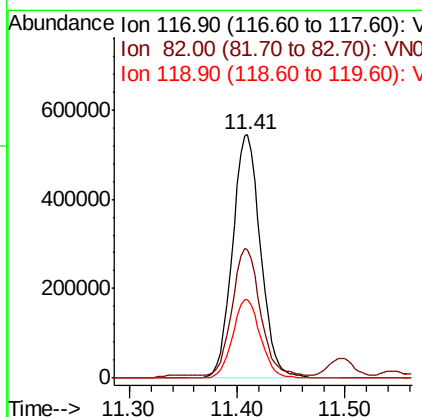
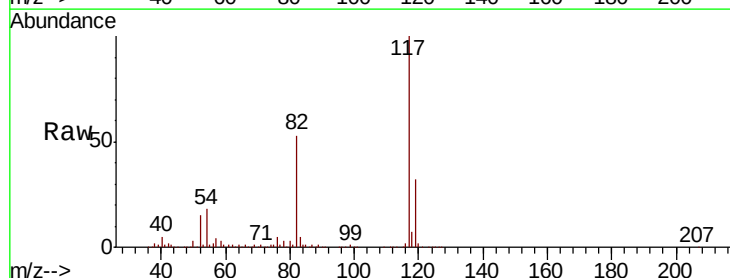
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

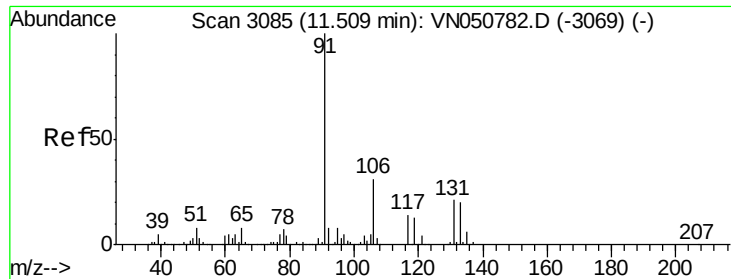
Tot Ion: 95 Resp: 627995
Ion Ratio Lower Upper
95 100
174 72.7 0.0 183.0
176 71.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion: 117 Resp: 987874
Ion Ratio Lower Upper
117 100
82 51.4 42.6 64.0
119 32.4 25.8 38.6





#67

Ethyl Benzene

Concen: 0.25 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

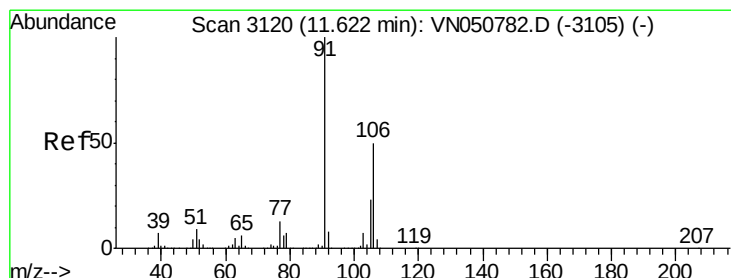
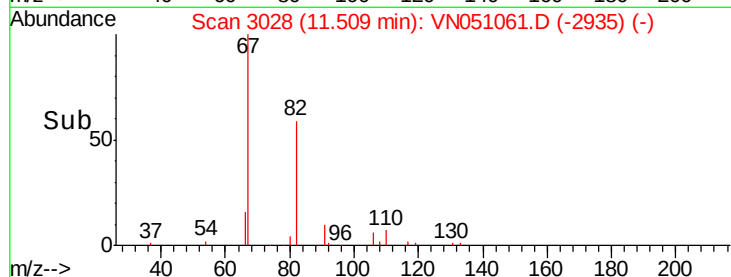
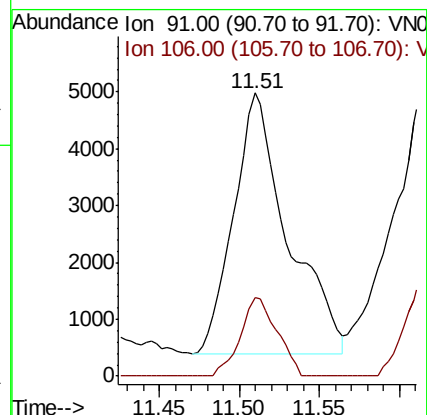
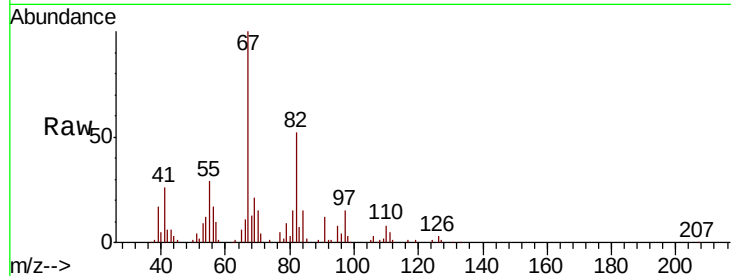
EP1-MW-C(10-15)DL

Tot Ion: 91 Resp: 10593

Ion Ratio Lower Upper

91 100

106 29.9 25.0 37.4



#68

m/p-Xylenes

Concen: 0.31 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051061.D

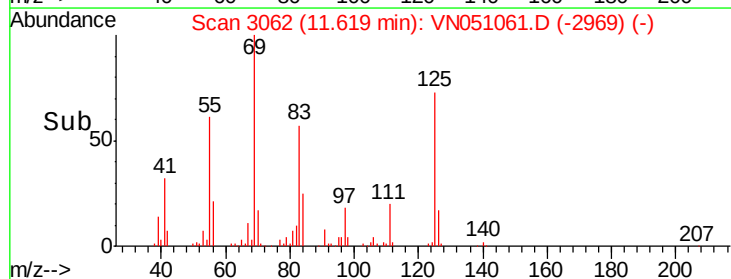
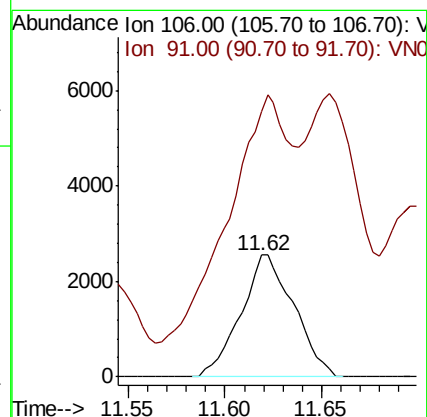
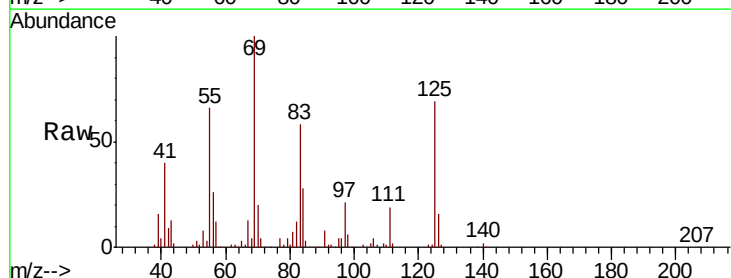
Acq: 7 Sep 2018 18:19

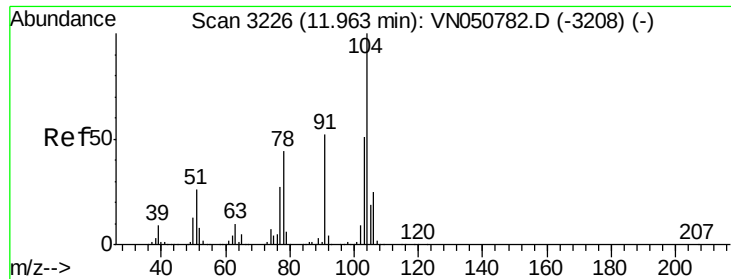
Tgt Ion: 106 Resp: 4865

Ion Ratio Lower Upper

106 100

91 241.5 161.0 241.6

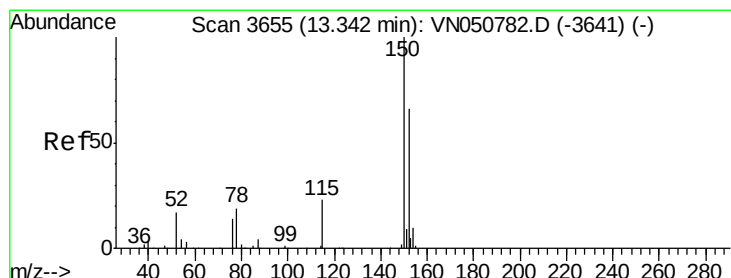
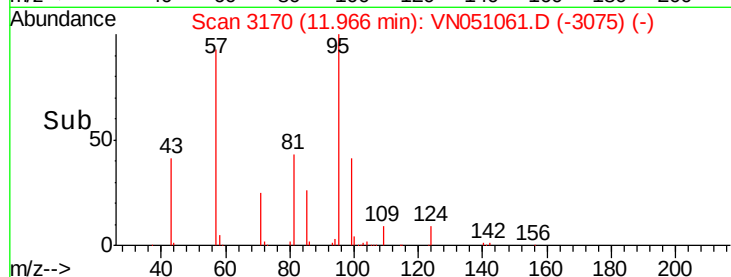
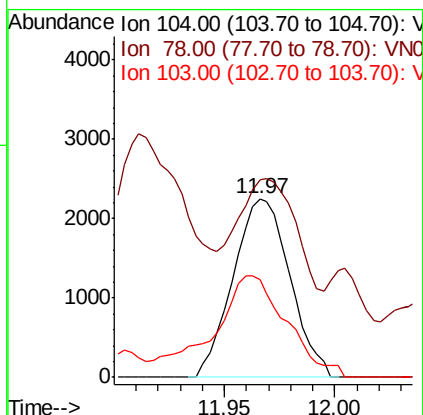
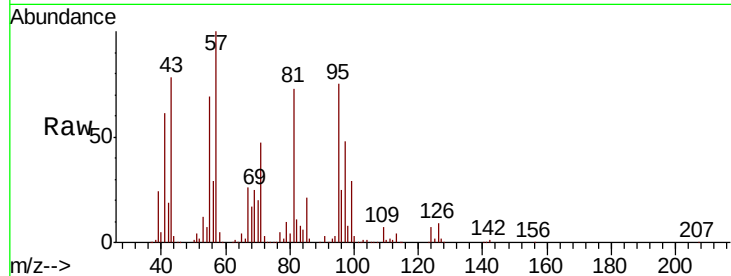




#70
Stvrene
Concen: 1.42 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

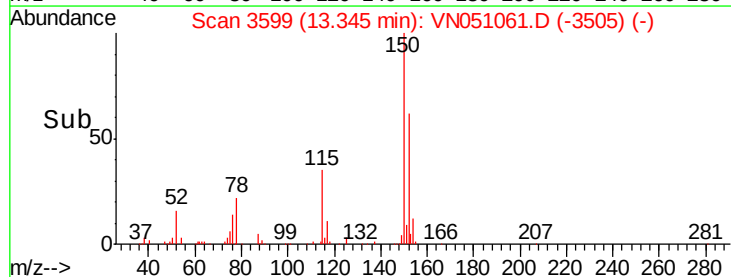
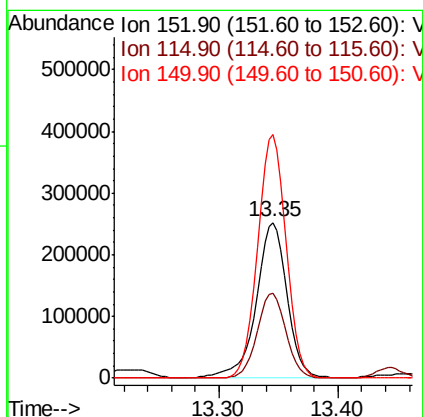
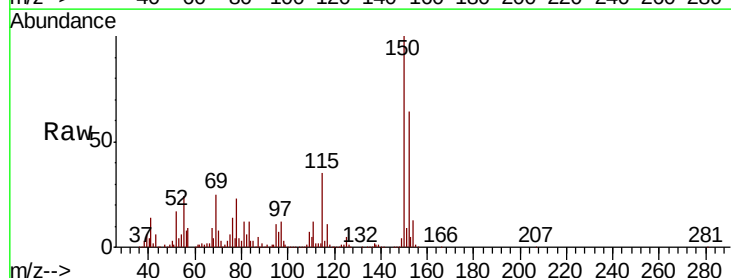
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(10-15)DL

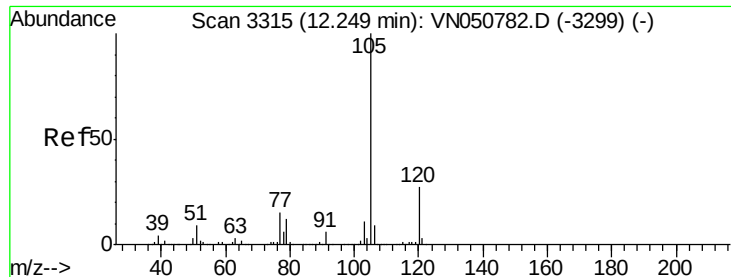
Tot Ion:104 Resp: 4016
Ion Ratio Lower Upper
104 100
78 67.0 38.2 57.4#
103 74.0 44.4 66.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051061.D
Acq: 7 Sep 2018 18:19

Tgt Ion:152 Resp: 448839
Ion Ratio Lower Upper
152 100
115 51.2 27.8 83.4
150 144.4 0.0 351.4





#73

Isopropylbenzene

Concen: 26.10 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

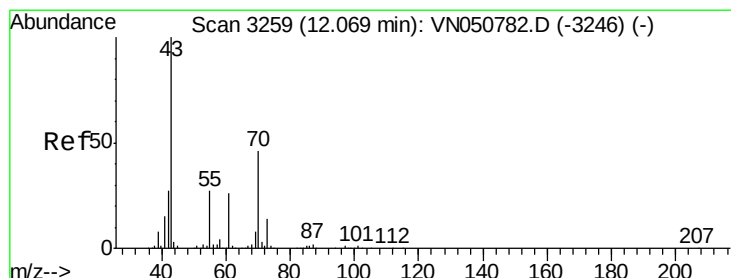
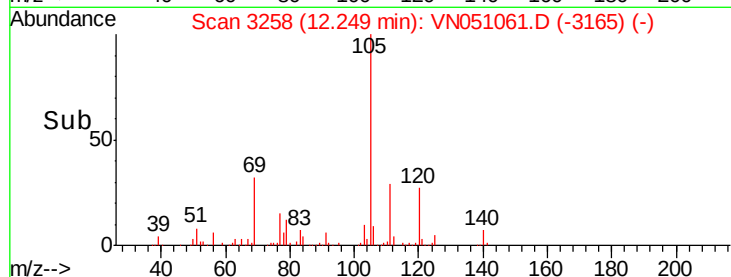
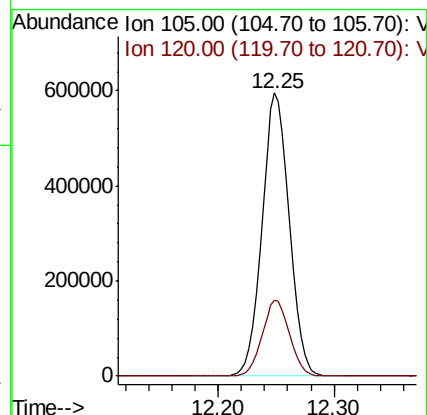
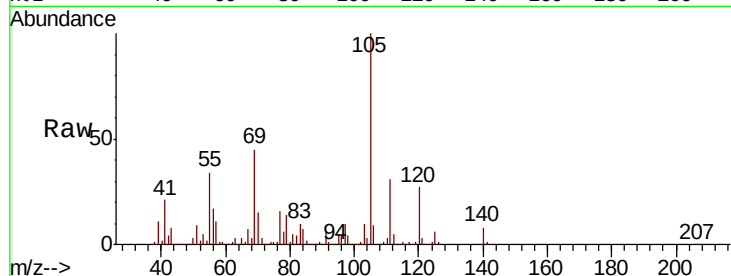
EP1-MW-C(10-15)DL

Tot Ion:105 Resp: 969851

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 119.15 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Tgt Ion: 43 Resp: 1112660

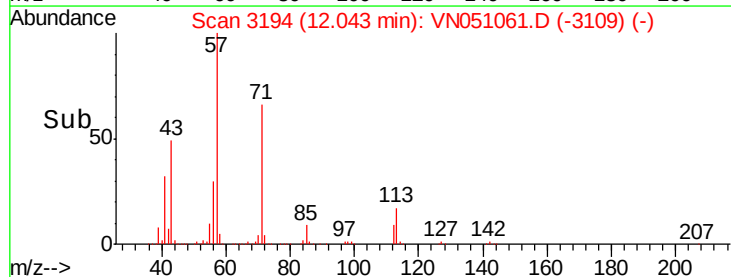
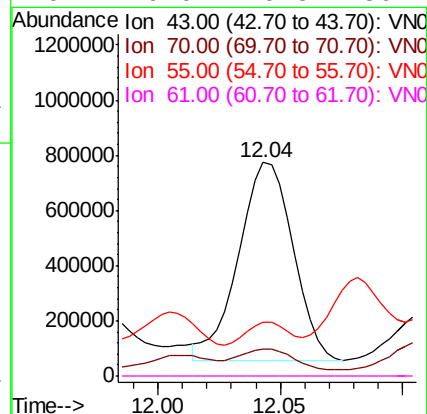
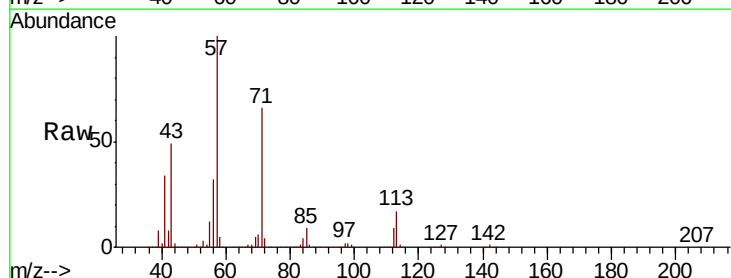
Ion Ratio Lower Upper

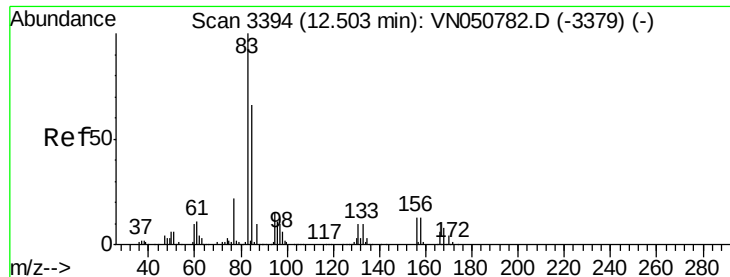
43 100

70 11.5 36.2 54.2#

55 9.3 21.8 32.8#

61 0.0 20.5 30.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 12.25 ug/l

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

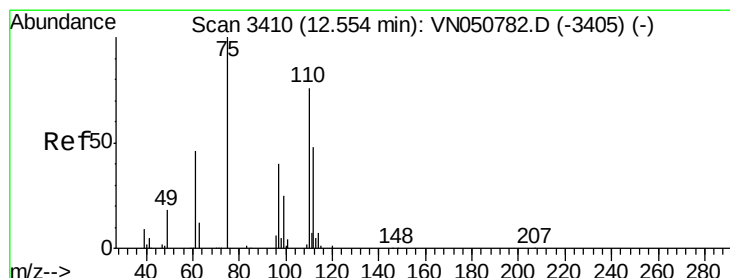
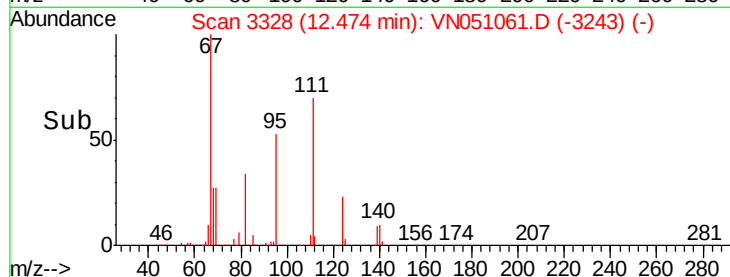
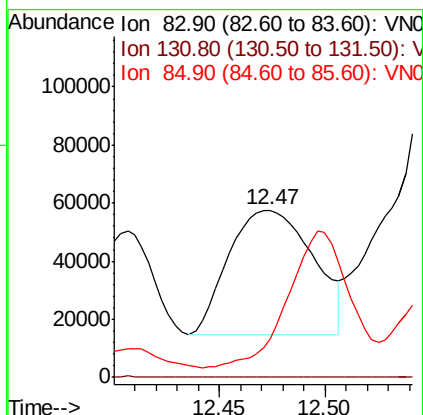
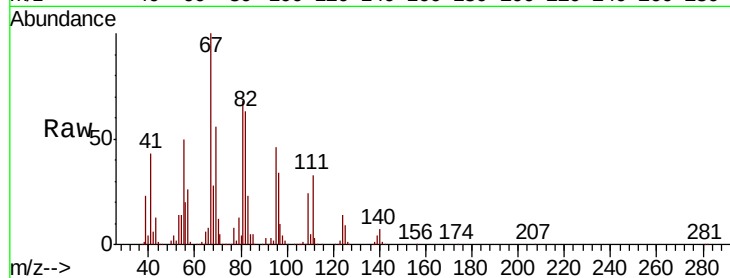
Tot Ion: 83 Resp: 119497

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 2.08 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN051061.D

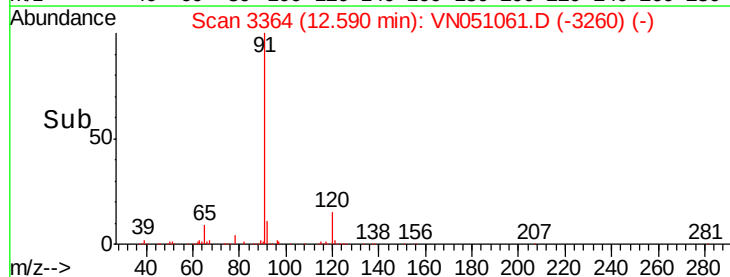
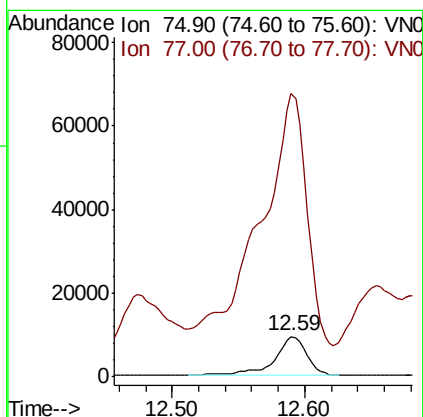
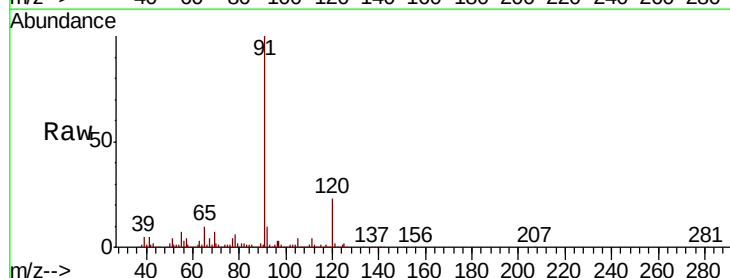
Acq: 7 Sep 2018 18:19

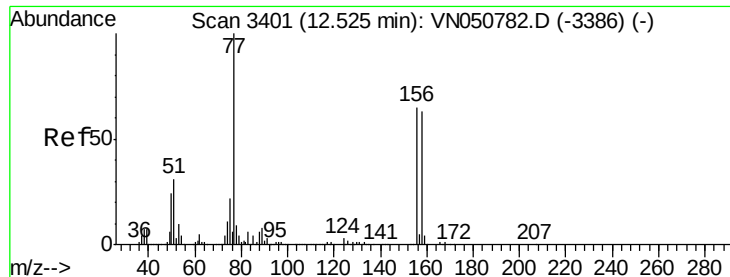
Tgt Ion: 75 Resp: 16378

Ion Ratio Lower Upper

75 100

77 895.8 0.0 0.0#





#77

Bromobenzene

Concen: 0.27 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

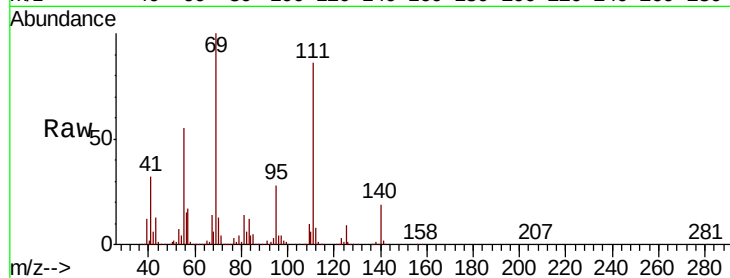
Tot Ion:156 Resp: 2731

Ion Ratio Lower Upper

156 100

77 0.0 89.9 269.7#

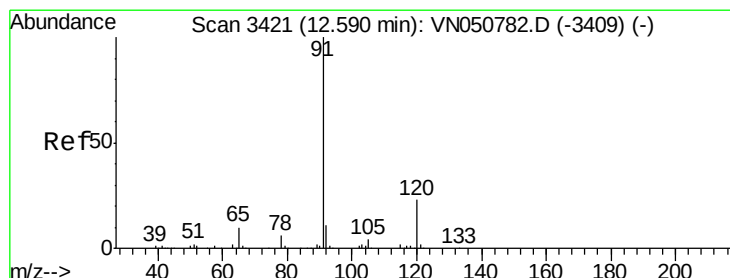
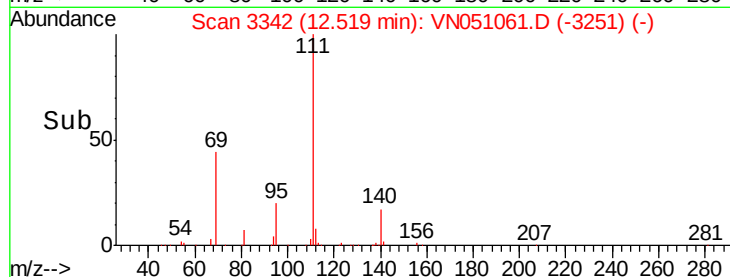
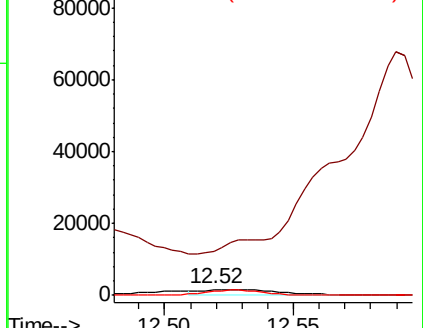
158 80.4 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 65.52 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051061.D

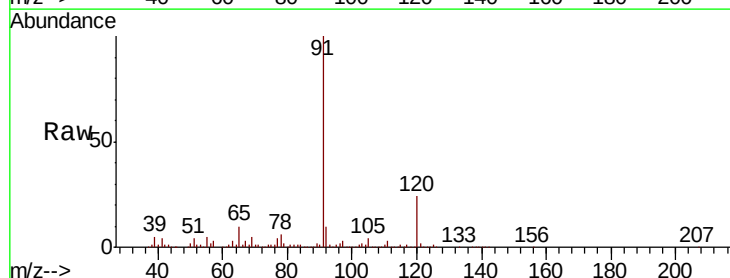
Acq: 7 Sep 2018 18:19

Tgt Ion: 91 Resp: 2720342

Ion Ratio Lower Upper

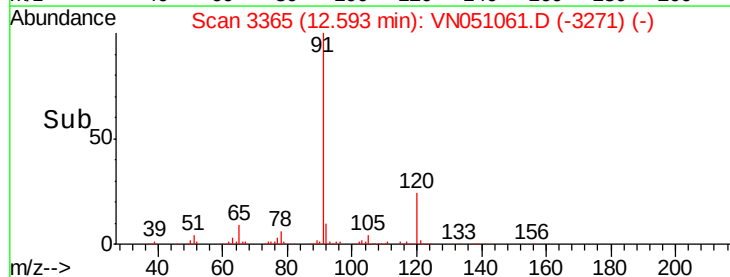
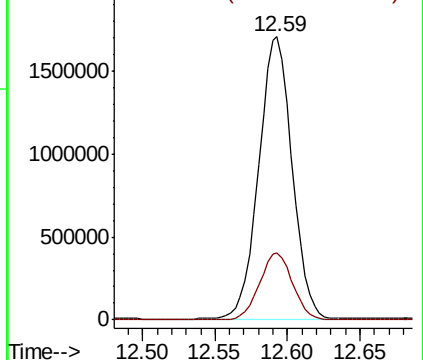
91 100

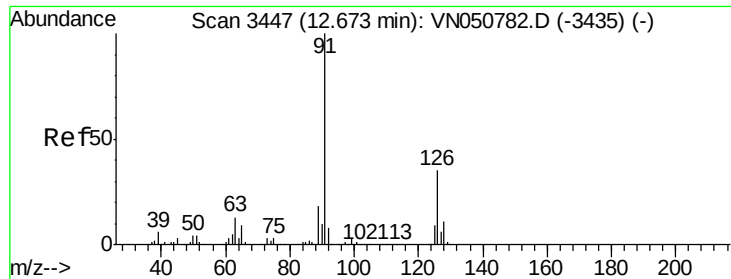
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 105.19 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

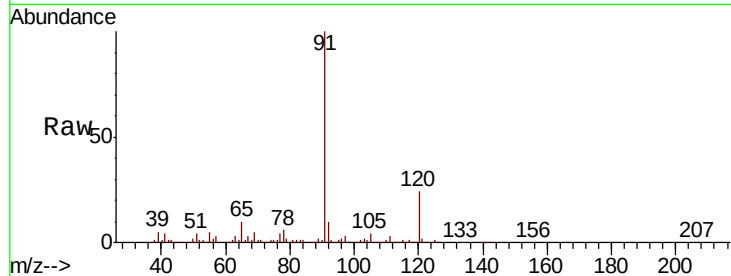
EP1-MW-C(10-15)DL

Tot Ion: 91 Resp: 2720342

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)

2000000

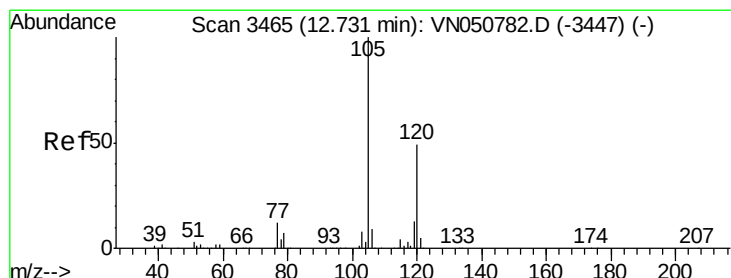
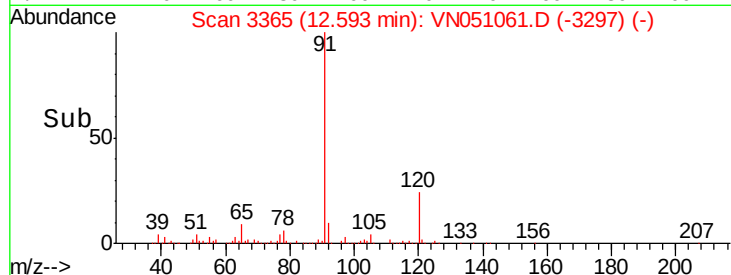
1500000

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.26 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051061.D

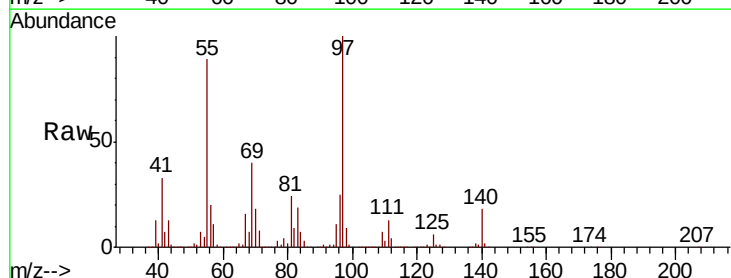
Acq: 7 Sep 2018 18:19

Tgt Ion:105 Resp: 7779

Ion Ratio Lower Upper

105 100

120 0.0 24.6 74.0#



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)

6000

5000

4000

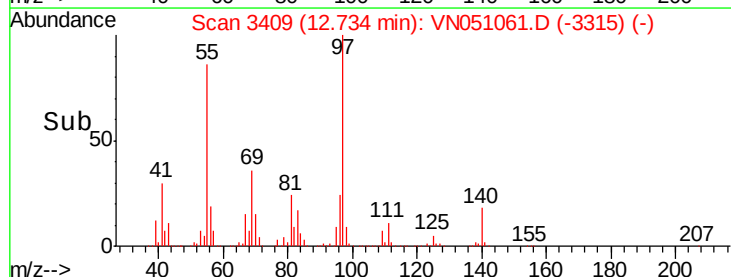
3000

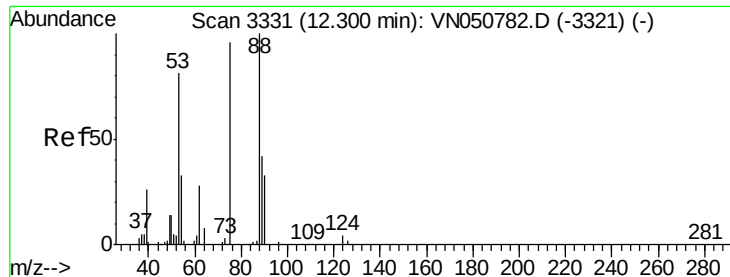
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.18 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

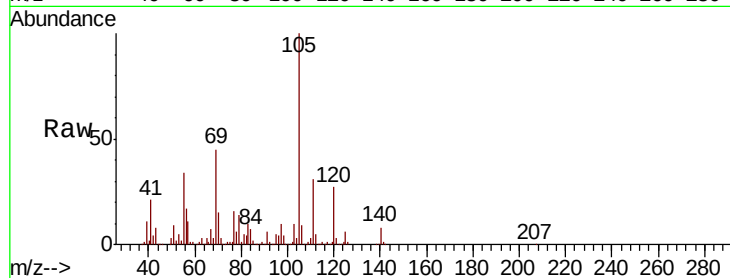
Tot Ion: 75 Resp: 9714

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

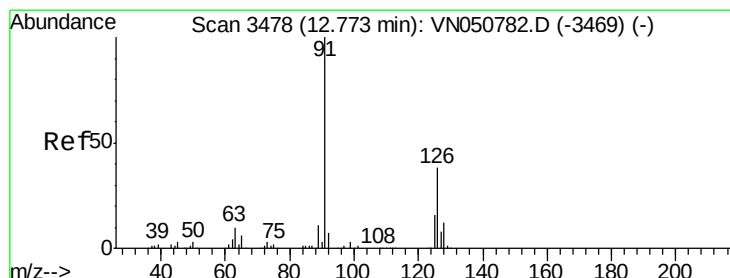
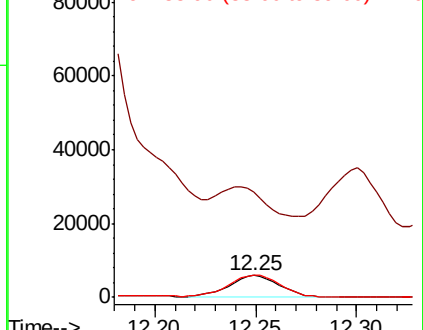
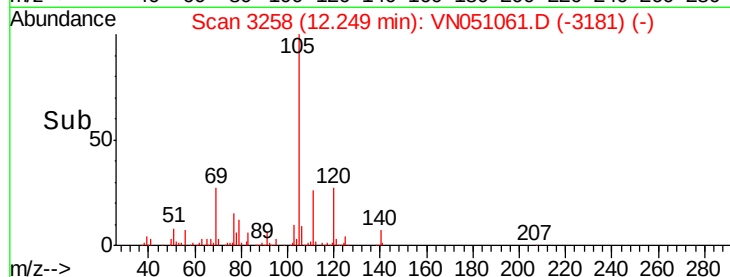
89 112.5 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 106.81 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.18 min

Lab File: VN051061.D

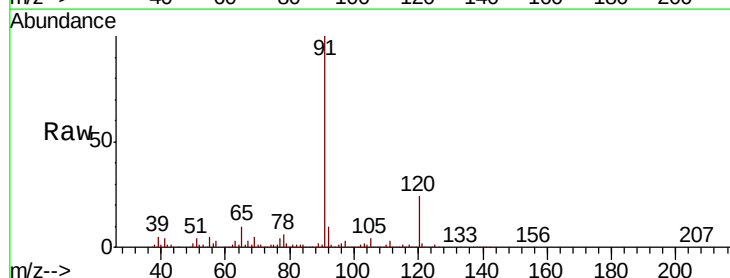
Acq: 7 Sep 2018 18:19

Tgt Ion: 91 Resp: 2727002

Ion Ratio Lower Upper

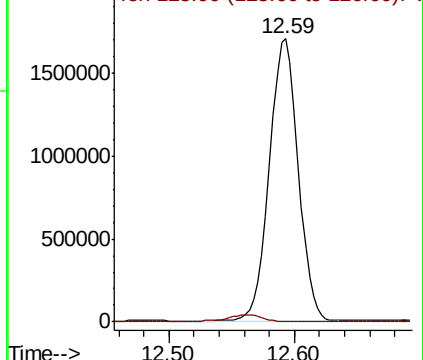
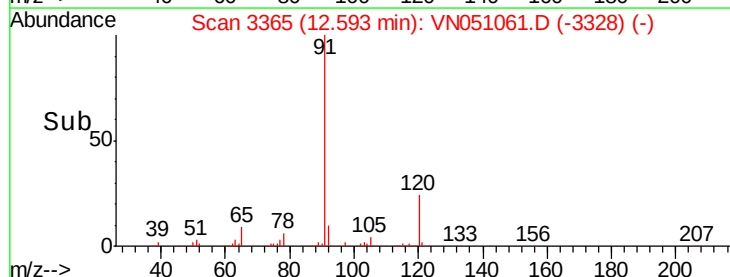
91 100

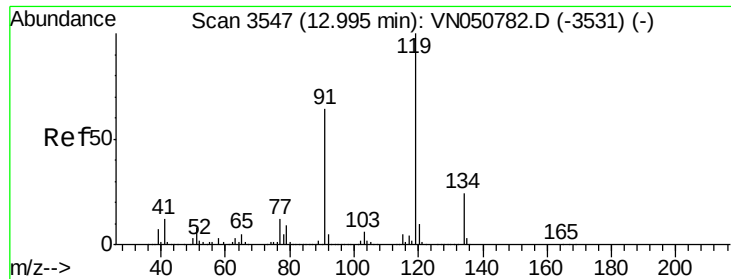
126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

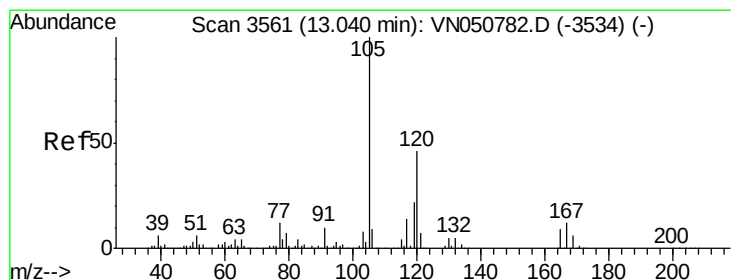
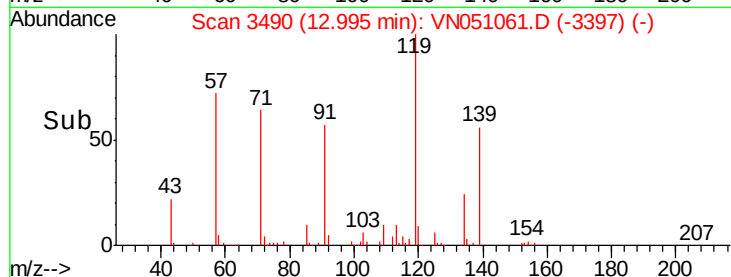
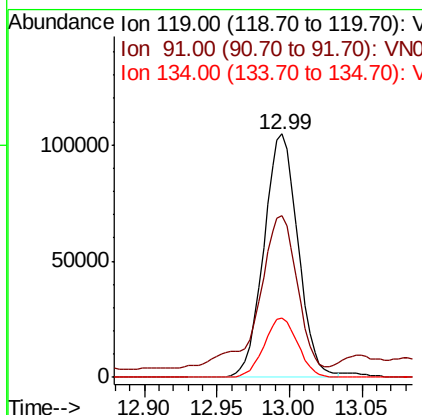
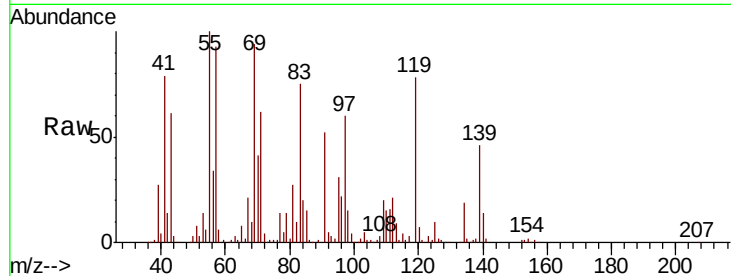




#83
 tert-Butylbenzene
 Concen: 6.61 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

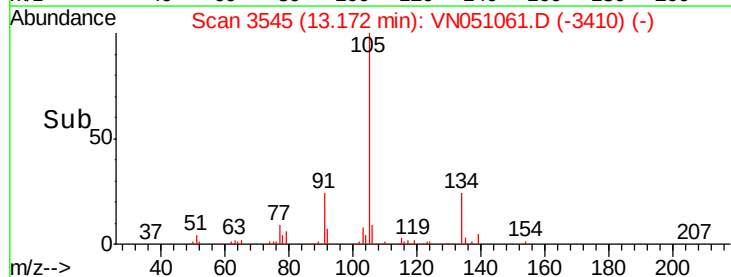
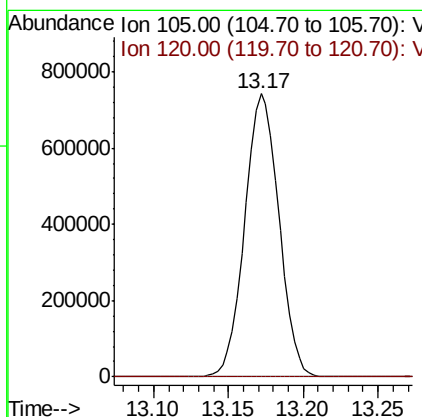
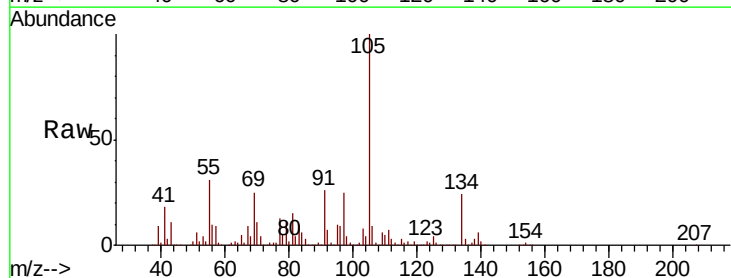
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

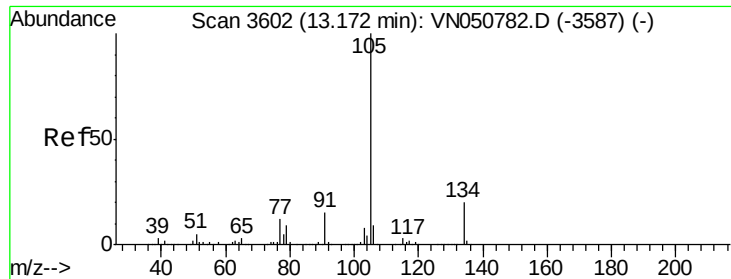
Tot Ion:119 Resp: 171660
 Ion Ratio Lower Upper
 119 100
 91 72.4 31.6 94.7
 134 24.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 38.95 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.13 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Tgt Ion:105 Resp: 1174897
 Ion Ratio Lower Upper
 105 100
 120 0.2 22.9 68.8#





#85

sec-Butylbenzene

Concen: 34.52 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

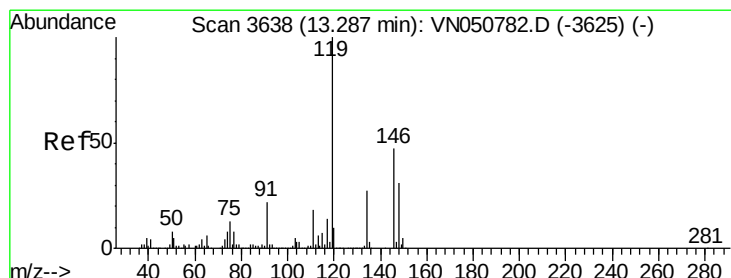
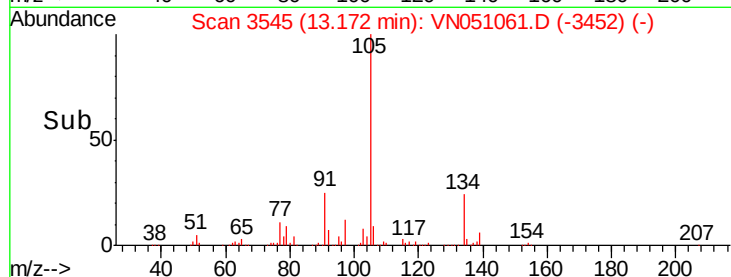
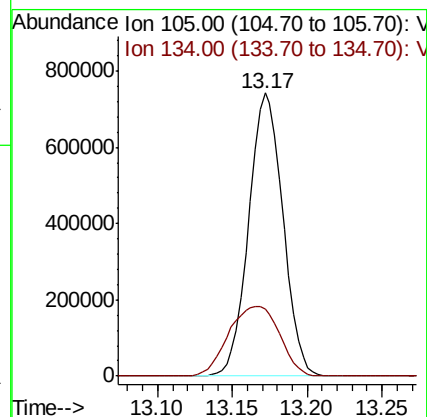
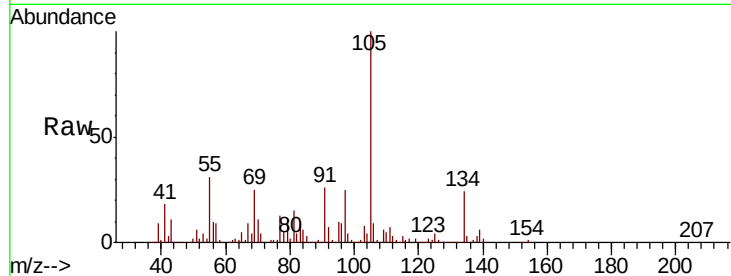
EP1-MW-C(10-15)DL

Tot Ion:105 Resp: 1174897

Ion Ratio Lower Upper

105 100

134 37.0 10.3 30.8#



#86

p-Isopropyltoluene

Concen: 10.51 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

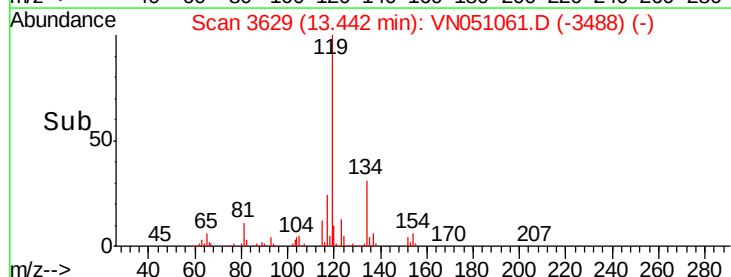
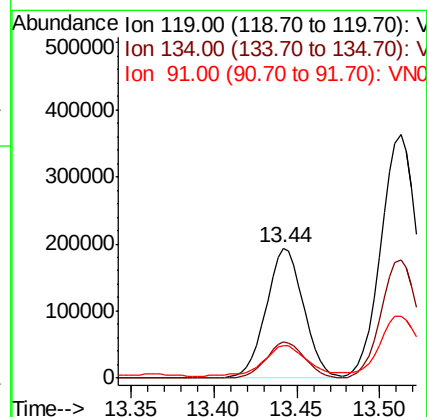
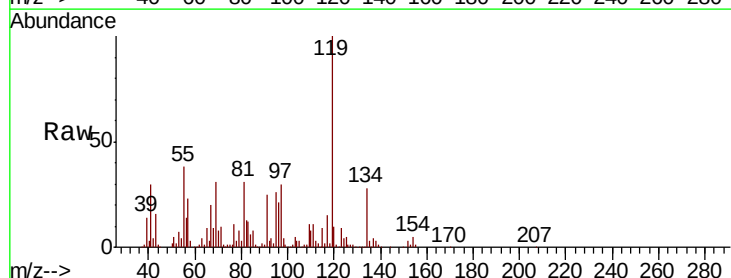
Tgt Ion:119 Resp: 304780

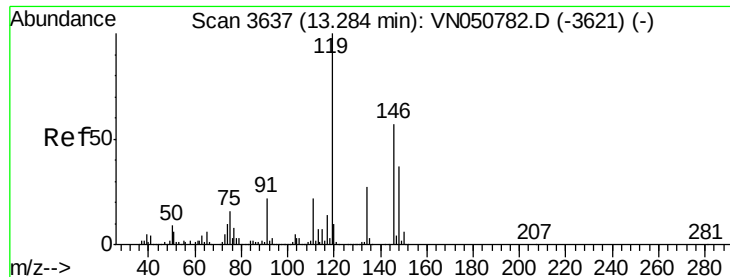
Ion Ratio Lower Upper

119 100

134 28.5 13.7 41.0

91 27.4 11.2 33.5

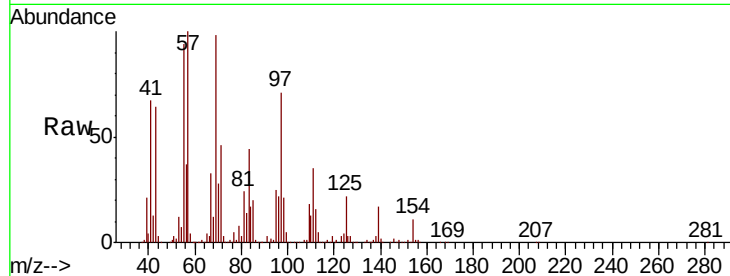




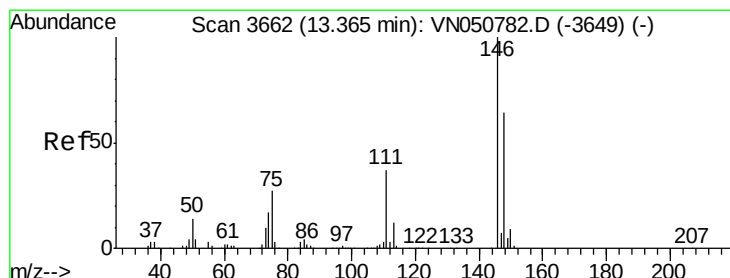
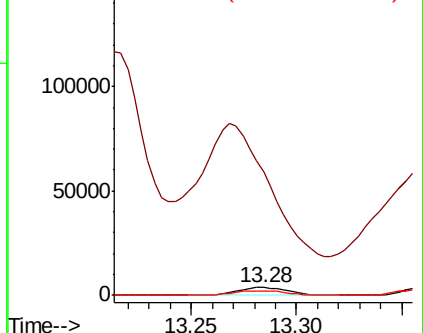
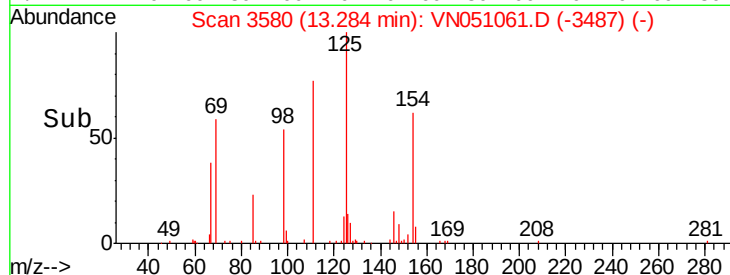
#87
 1,3-Dichlorobenzene
 Concen: 0.34 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

Tot Ion:146 Resp: 5877
 Ion Ratio Lower Upper
 146 100
 111 2395.7 19.1 57.3#
 148 65.1 32.2 96.6

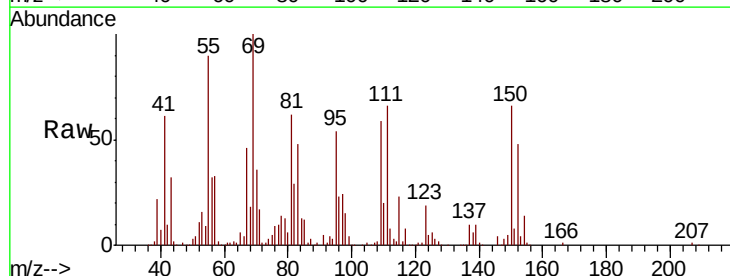


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

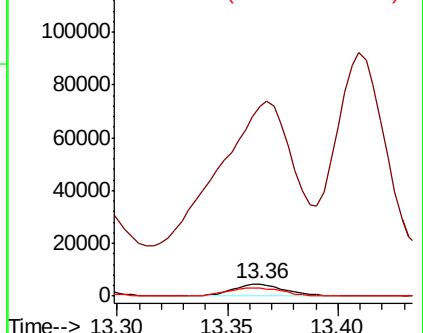
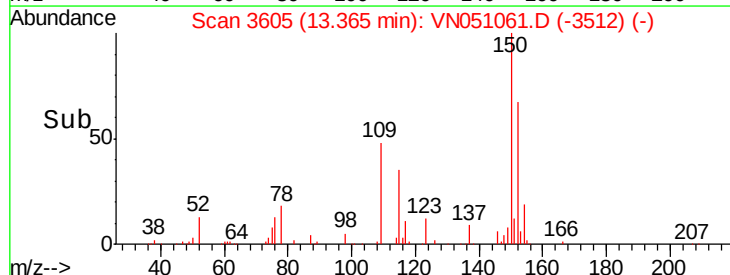


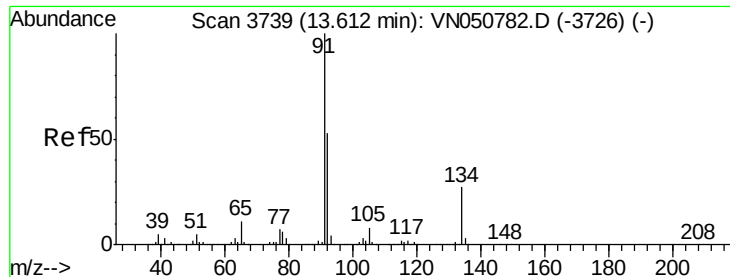
#88
 1,4-Dichlorobenzene
 Concen: 0.43 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Tgt Ion:146 Resp: 7234
 Ion Ratio Lower Upper
 146 100
 111 1745.1 18.8 56.3#
 148 76.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 30.84 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

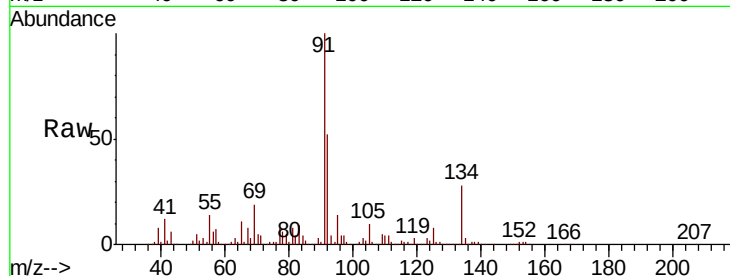
Tot Ion: 91 Resp: 715155

Ion Ratio Lower Upper

91 100

92 49.7 26.1 78.2

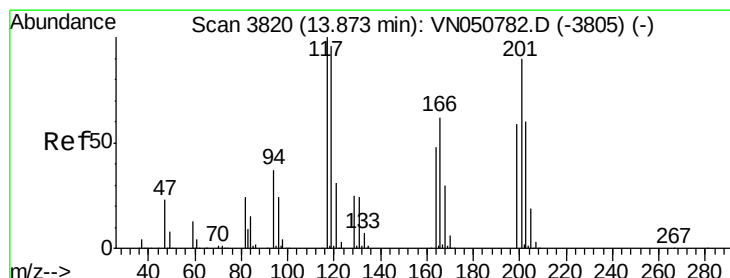
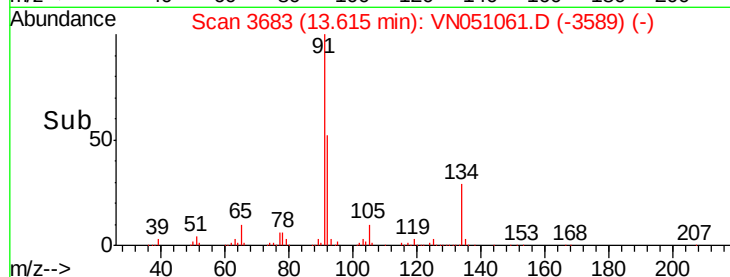
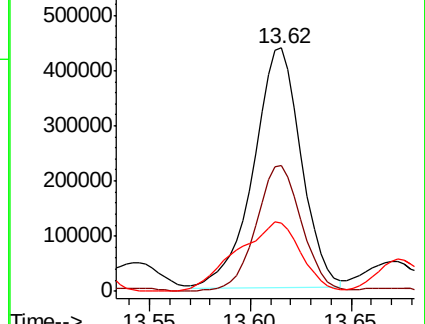
134 38.8 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 25.01 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051061.D

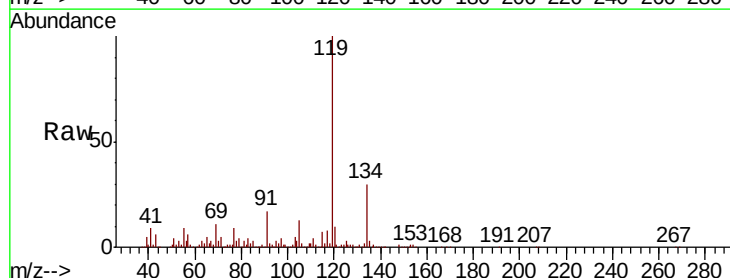
Acq: 7 Sep 2018 18:19

Tgt Ion: 117 Resp: 137687

Ion Ratio Lower Upper

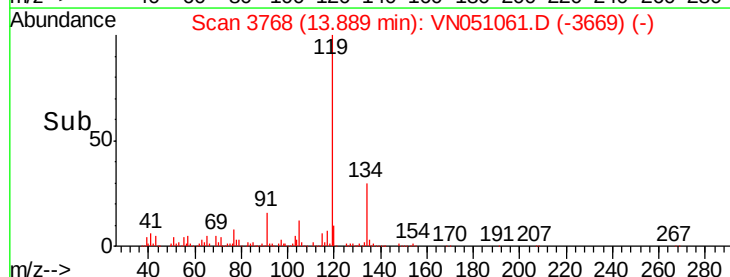
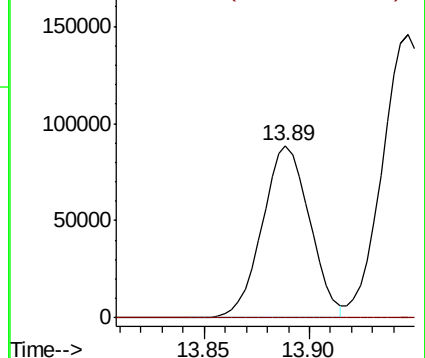
117 100

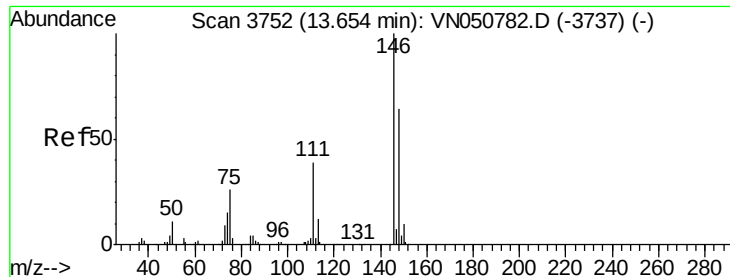
201 0.2 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)





#91

1,2-Dichlorobenzene

Concen: 0.36 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(10-15)DL

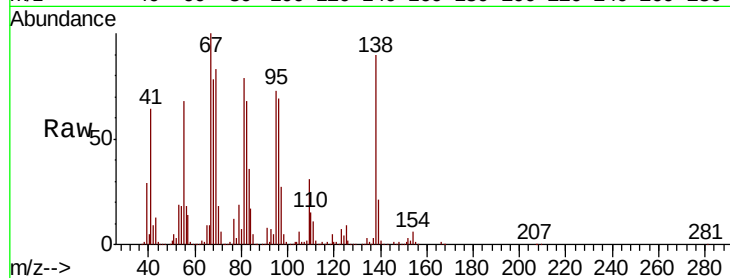
Tot Ion:146 Resp: 6032

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

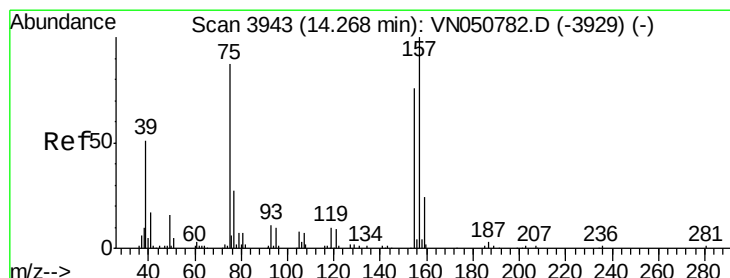
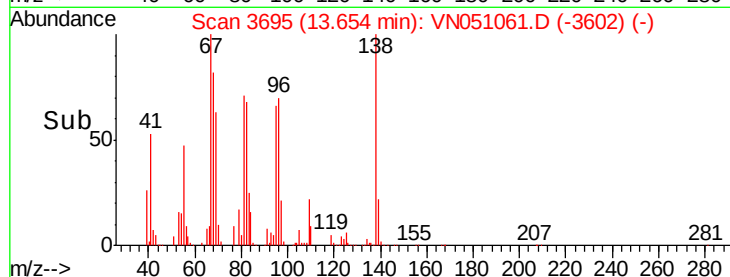
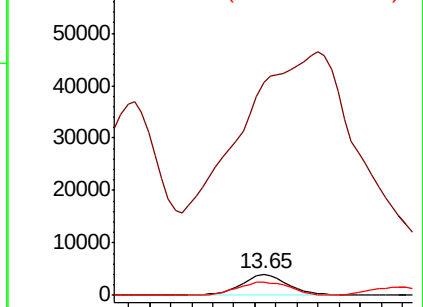
148 70.3 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.22 ug/l

RT: 14.29 min Scan# 3894

Delta R.T. 0.03 min

Lab File: VN051061.D

Acq: 7 Sep 2018 18:19

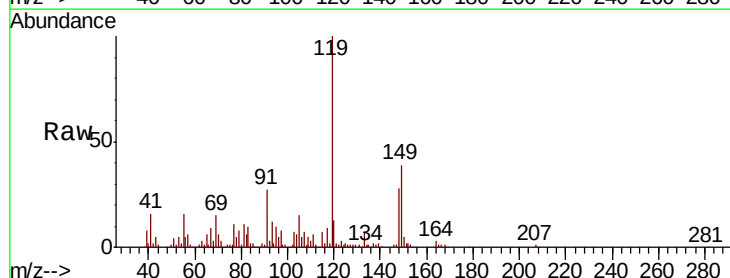
Tgt Ion: 75 Resp: 1633

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

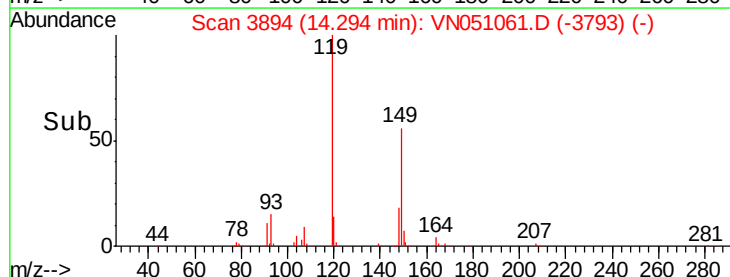
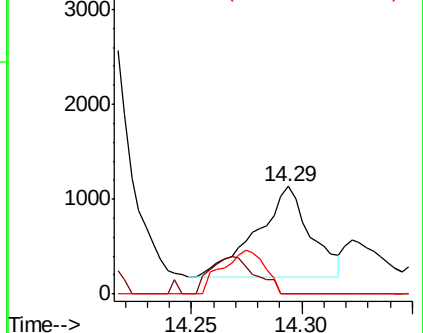
157 0.0 60.7 182.0#

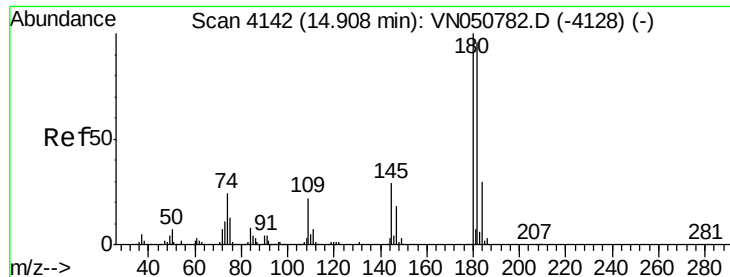


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

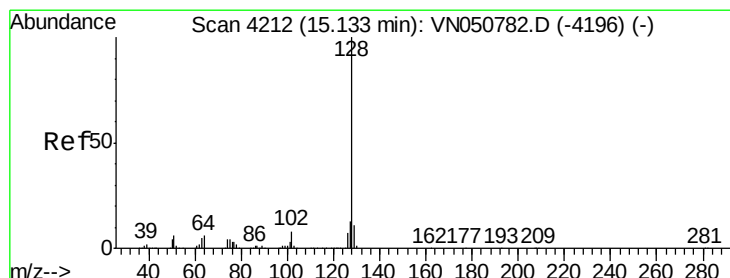
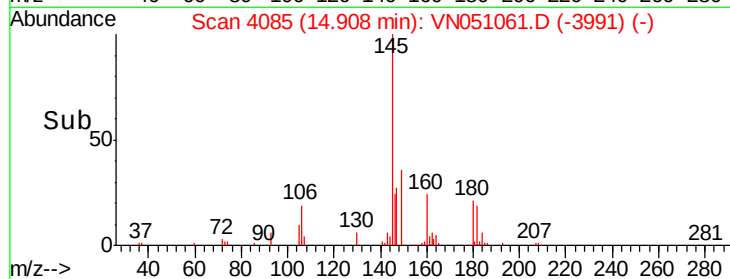
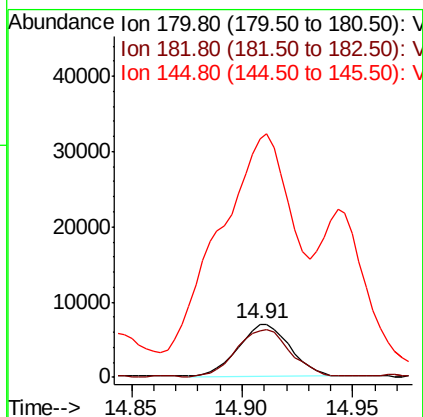
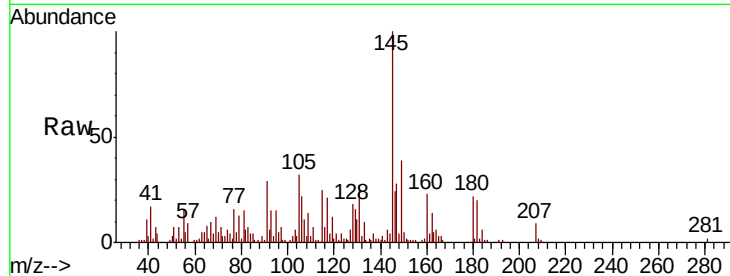




#93
 1,2,4-Trichlorobenzene
 Concen: 5.29 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

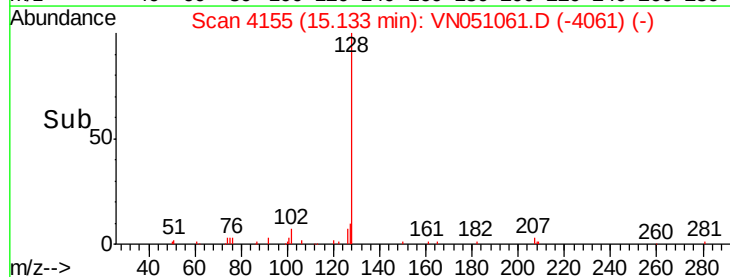
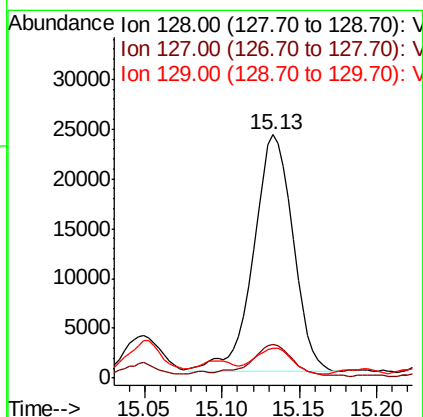
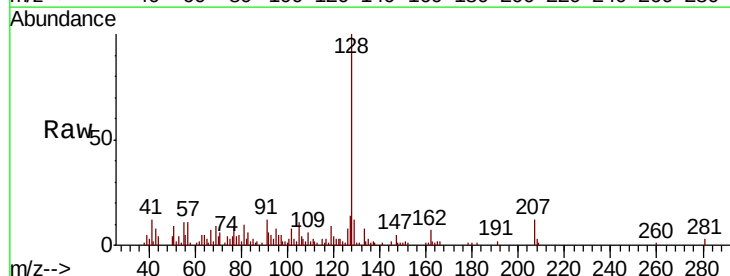
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

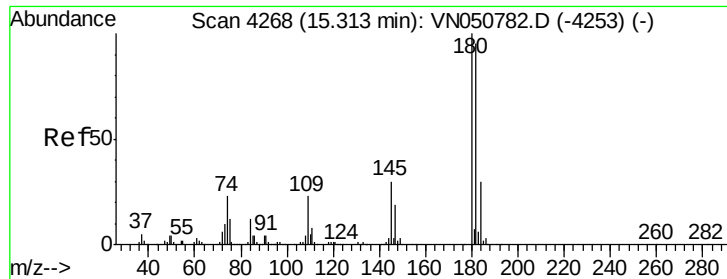
Tot Ion:180 Resp: 11344
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.2 144.6
 145 694.2 14.1 42.2#



#95
 Naphthalene
 Concen: 7.51 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Tgt Ion:128 Resp: 42512
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.5 15.7
 129 10.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 4.95 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051061.D
 Acq: 7 Sep 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(10-15)DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	60.7	15.2	45.6#

