

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054128.D
 Acq On : 6 Mar 2019 20:25
 Operator : JC/SP
 Sample : K1755-26
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Quant Time: Mar 07 06:42:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	602605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1084916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1104781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	503712	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	375729	51.92	ug/l	0.00
Spiked Amount						
			Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	339959	48.25	ug/l	0.00
Spiked Amount						
			Recovery	=	96.50%	
50) Toluene-d8	10.09	98	1395881	52.17	ug/l	0.00
Spiked Amount						
			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	537897	61.74	ug/l	0.00
Spiked Amount						
			Recovery	=	123.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2670	Below Cal		88
5) Bromomethane	2.57	94	598	Below Cal	#	72
8) Diethyl Ether	3.41	74	1377	0.360	ug/l #	1
10) Methyl Iodide	3.95	142	431	3.220	ug/l #	43
11) Tert butyl alcohol	4.78	59	27124	61.605	ug/l #	91
13) Acrolein	3.61	56	1417	30.009	ug/l #	80
14) Allyl chloride	4.32	41	8103	0.773	ug/l #	30
16) Acetone	3.81	43	202617	90.901	ug/l	95
17) Carbon Disulfide	4.05	76	4328	Below Cal	#	75
18) Methyl Acetate	4.32	43	668810	127.224	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	6756	0.414	ug/l #	48
20) Methylene Chloride	4.54	84	2488	Below Cal	#	74
25) 2-Butanone	6.83	43	234861	79.194	ug/l	98
29) Tetrahydrofuran	7.20	42	711	0.366	ug/l #	58
31) Cyclohexane	7.66	56	20888	0.780	ug/l #	22
36) 1,1-Dichloropropene	7.67	75	40193	3.947	ug/l #	48
37) Ethyl Acetate	6.93	43	144498	19.720	ug/l	99
38) Carbon Tetrachloride	7.66	117	53224	5.475	ug/l #	16
39) Methylcyclohexane	9.08	83	15093	1.284	ug/l	95
40) Benzene	8.04	78	1729565	57.408	ug/l	100
41) Methacrylonitrile	7.19	41	8096	2.120	ug/l #	100
42) 1,2-Dichloroethane	8.04	62	13490	1.414	ug/l #	74
43) Isopropyl Acetate	8.30	43	108093	10.180	ug/l #	53
48) Methyl methacrylate	9.17	41	8229	1.469	ug/l #	38
49) 1,4-Dioxane	9.20	88	2375	29.484	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	15566	2.394	ug/l #	71
52) Toluene	10.16	92	1266788	70.972	ug/l	99
55) 1,1,2-Trichloroethane	10.41	97	134710	20.042	ug/l #	18
56) Ethyl methacrylate	10.42	69	7049	0.893	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	8409	2.328	ug/l #	50
59) 2-Hexanone	10.85	43	469139	109.386	ug/l #	25
67) Ethyl Benzene	11.51	91	325734	8.467	ug/l	100
68) m/p-Xylenes	11.62	106	726369	50.031	ug/l	99
69) o-Xylene	11.95	106	458024	32.784	ug/l	95

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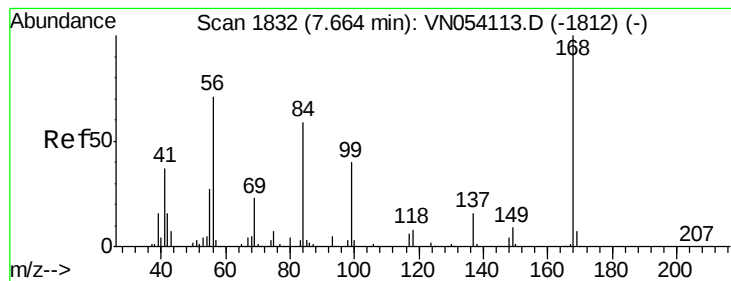
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	11.96	104	185045	8.344	ug/l #	67
71) Bromoform	12.40	173	3826	0.675	ug/l #	1
73) Isopropylbenzene	12.25	105	77905	1.944	ug/l	99
74) N-amyl acetate	12.03	43	19249	1.813	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.53	83	6124	Below Cal	#	28
76) 1,2,3-Trichloropropane	12.66	75	14870	1.732	ug/l #	100
77) Bromobenzene	12.53	156	203	Below Cal	#	1
78) n-propylbenzene	12.59	91	345474	7.660	ug/l	97
79) 2-Chlorotoluene	12.65	91	119317	4.356	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	488557	14.995	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	260451	104.193	ug/l #	12
82) 4-Chlorotoluene	12.73	91	50859	1.863	ug/l #	40
83) tert-Butylbenzene	13.23	119	28948	1.003	ug/l	76
84) 1,2,4-Trimethylbenzene	13.04	105	1300955	40.231	ug/l	99
85) sec-Butylbenzene	13.04	105	1300955	33.225	ug/l #	57
86) p-Isopropyltoluene	13.29	119	15848	0.481	ug/l	95
89) n-Butylbenzene	13.58	91	8485	0.305	ug/l #	1
90) Hexachloroethane	13.89	117	9850	1.560	ug/l #	5
91) 1,2-Dichlorobenzene	13.66	146	603	Below Cal		76
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1697	1.160	ug/l #	1
94) Hexachlorobutadiene	15.02	225	65	Below Cal	#	6
95) Naphthalene	15.13	128	4511355	220.756	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	516	2.479	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

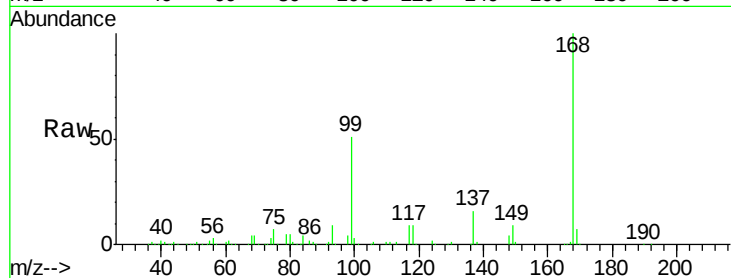
COMP-2

Tgt Ion:168 Resp: 602605

Ion Ratio Lower Upper

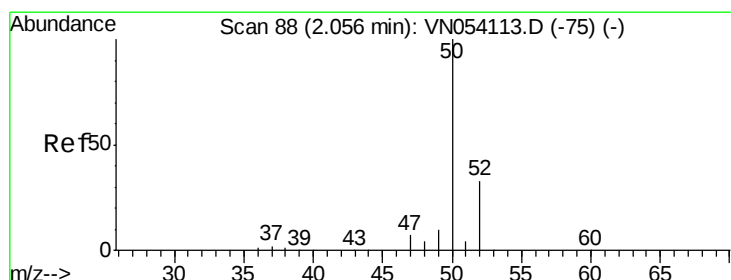
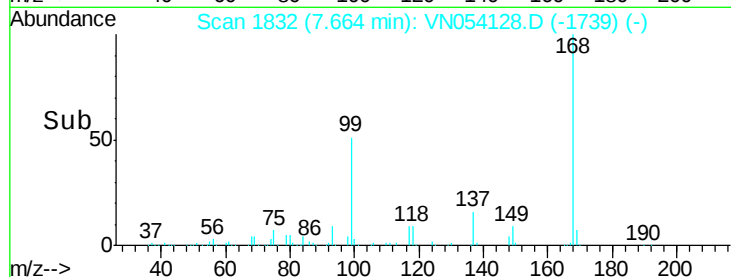
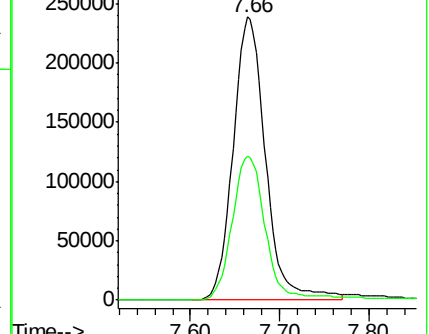
168 100

99 50.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054128.D

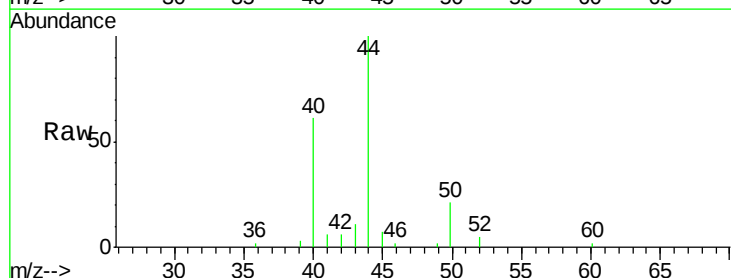
Acq: 6 Mar 2019 20:25

Tgt Ion: 50 Resp: 2670

Ion Ratio Lower Upper

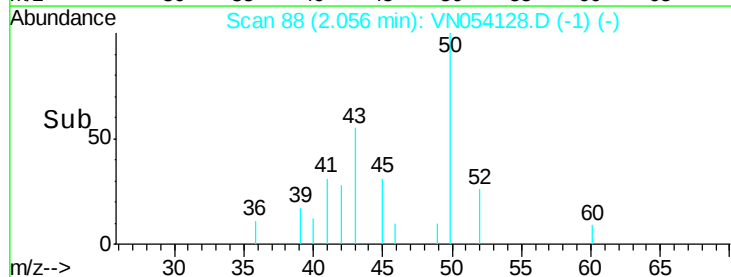
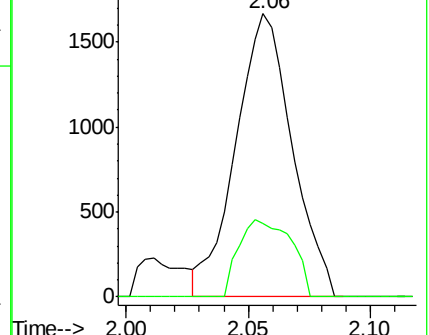
50 100

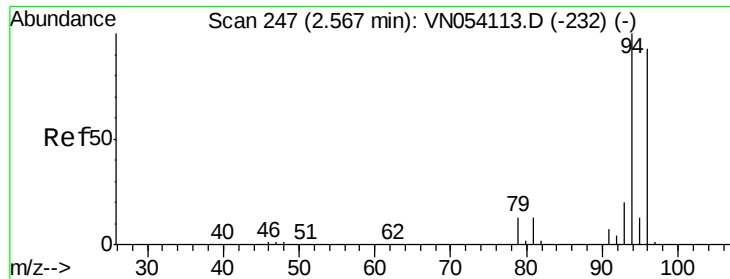
52 26.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

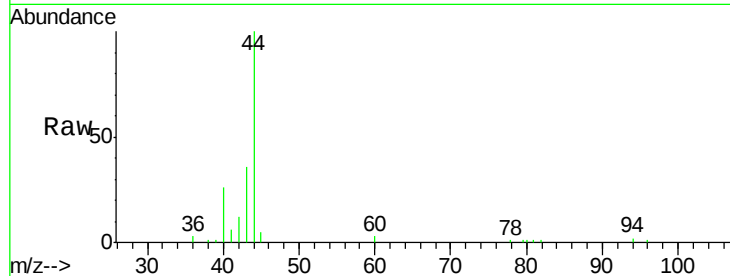
COMP-2

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

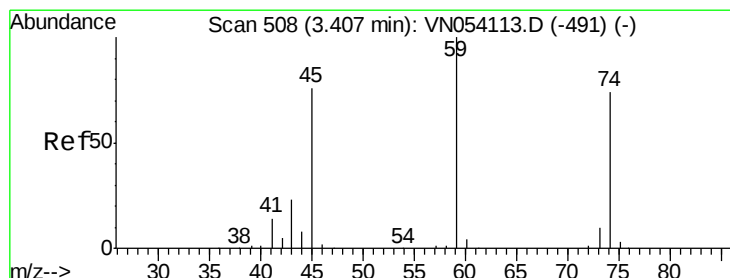
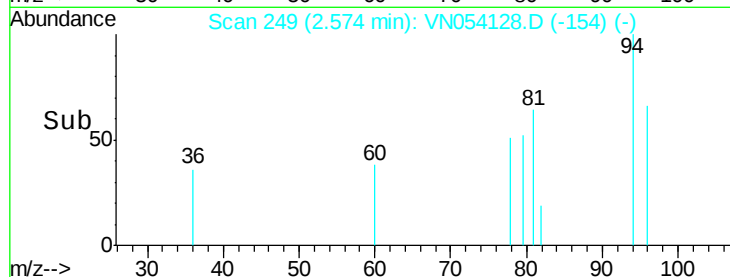
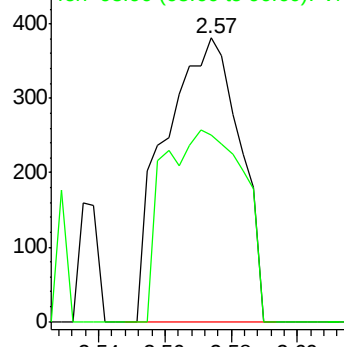
94 100

96 65.6 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.360 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN054128.D

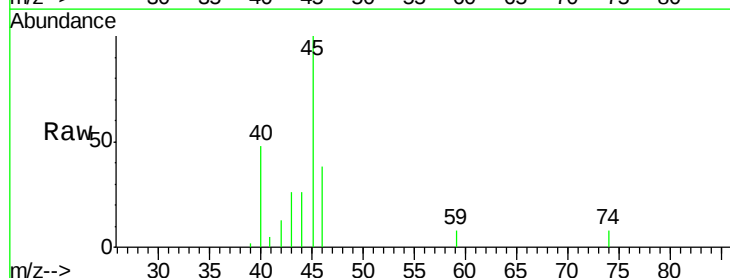
Acq: 6 Mar 2019 20:25

Tgt Ion: 74 Resp: 1377

Ion Ratio Lower Upper

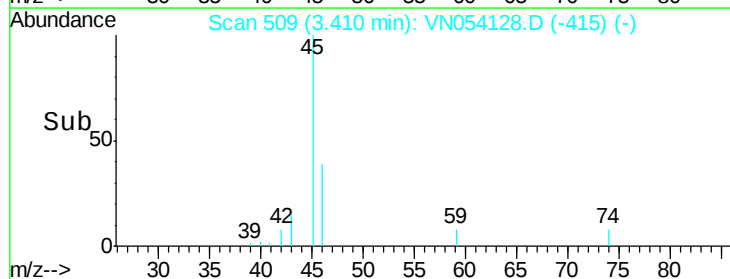
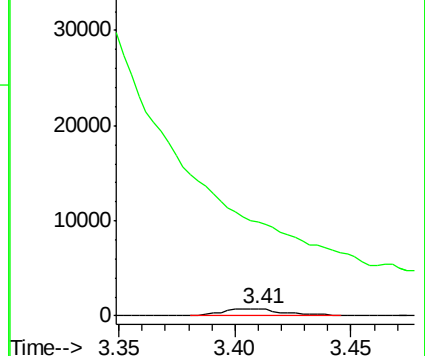
74 100

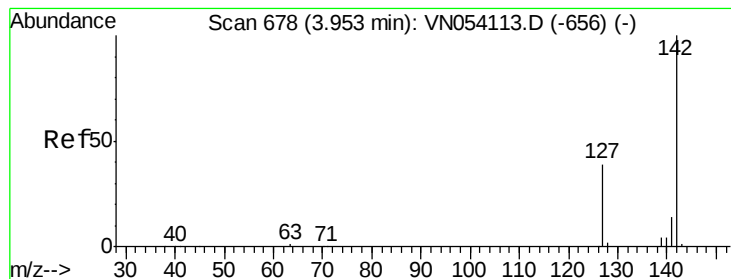
45 0.0 51.7 155.2#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#10

Methyl Iodide

Concen: 3.220 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

COMP-2

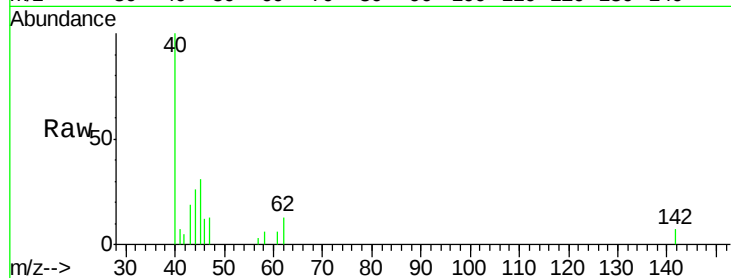
Tgt Ion:142 Resp: 431

Ion Ratio Lower Upper

142 100

127 0.0 31.9 47.9#

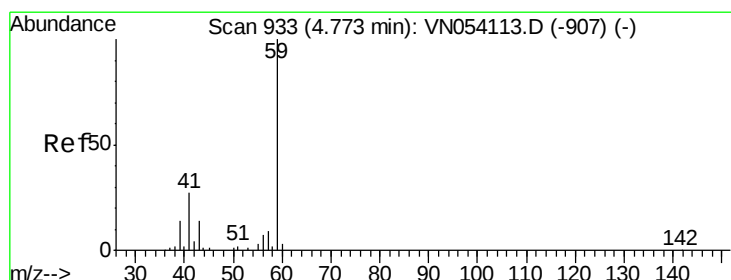
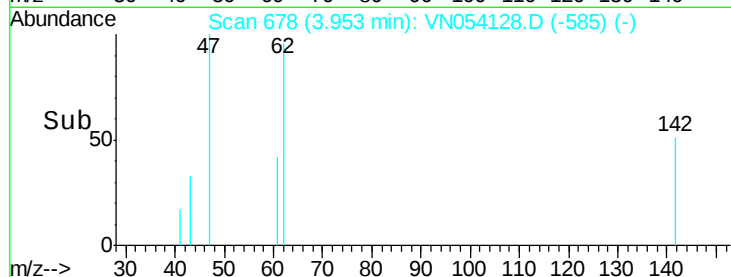
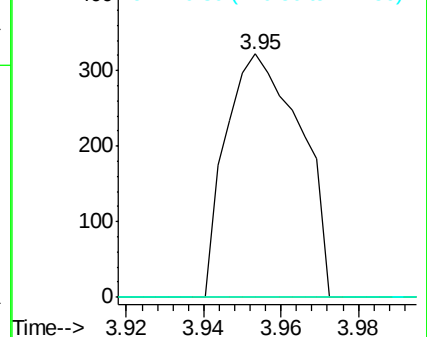
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 61.605 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN054128.D

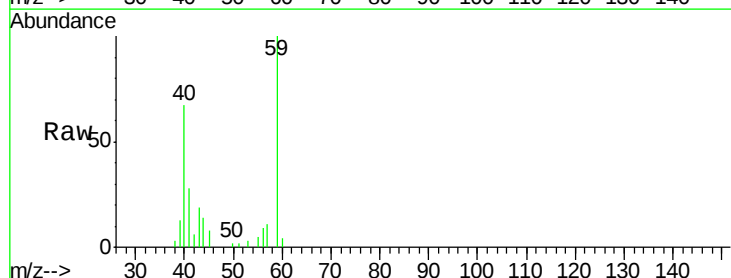
Acq: 6 Mar 2019 20:25

Tgt Ion: 59 Resp: 27124

Ion Ratio Lower Upper

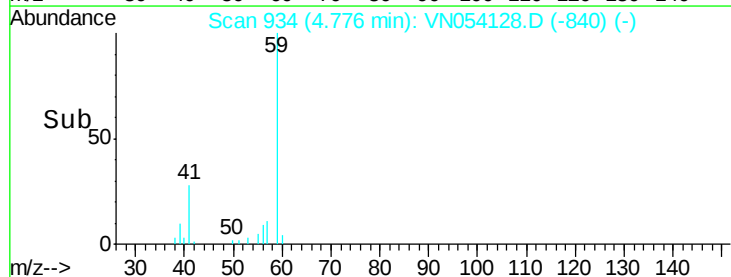
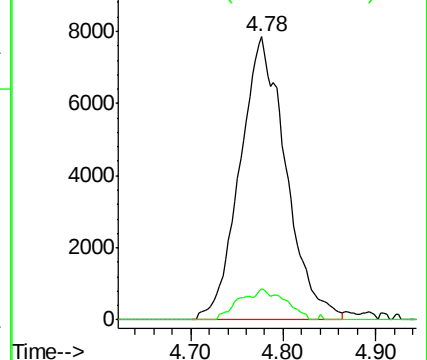
59 100

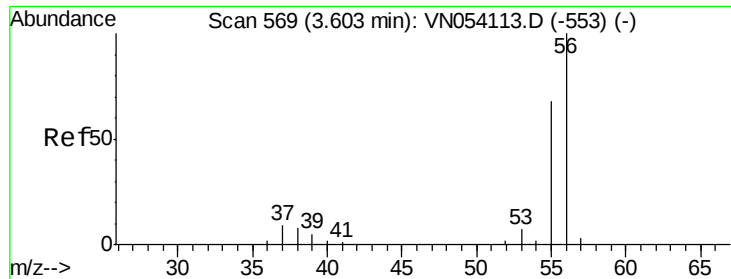
57 7.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#13

Acrolein

Concen: 30.009 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

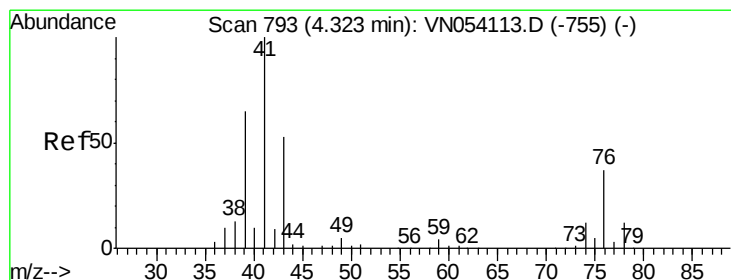
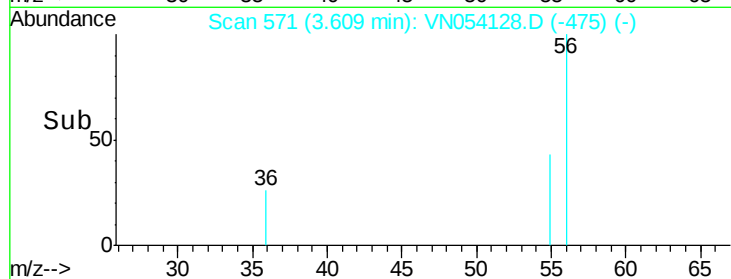
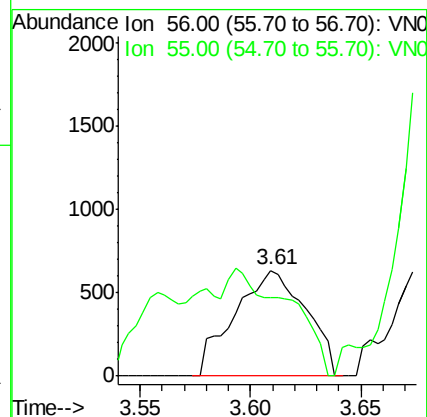
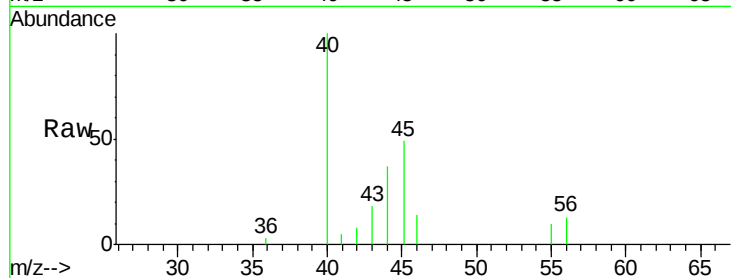
COMP-2

Tgt Ion: 56 Resp: 1417

Ion Ratio Lower Upper

56 100

55 88.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.773 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

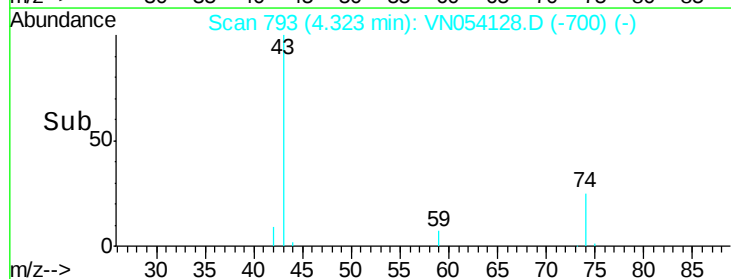
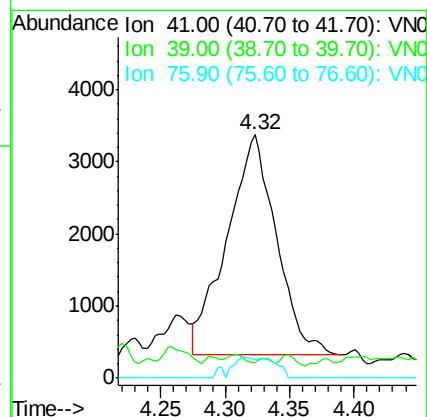
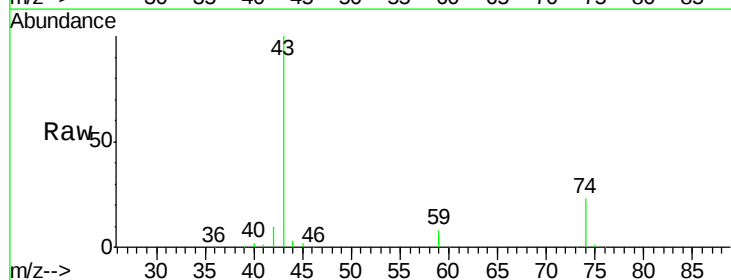
Tgt Ion: 41 Resp: 8103

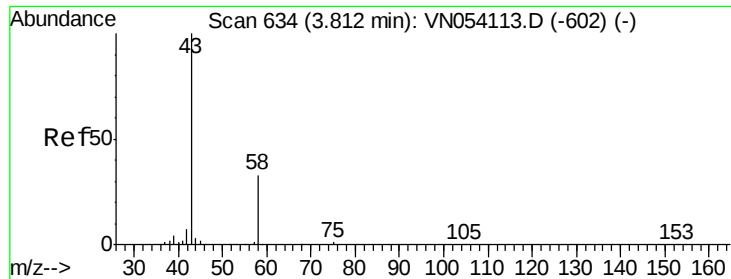
Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

76 4.1 26.5 39.7#





#16

Acetone

Concen: 90.901 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

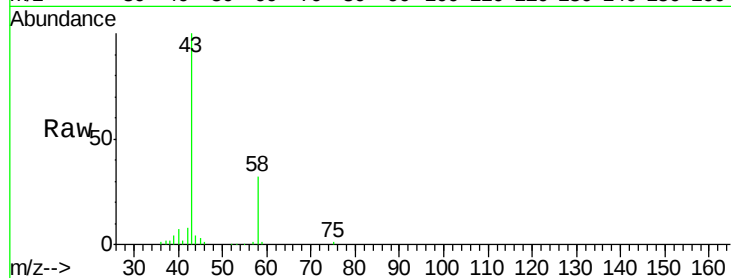
COMP-2

Tgt Ion: 43 Resp: 202617

Ion Ratio Lower Upper

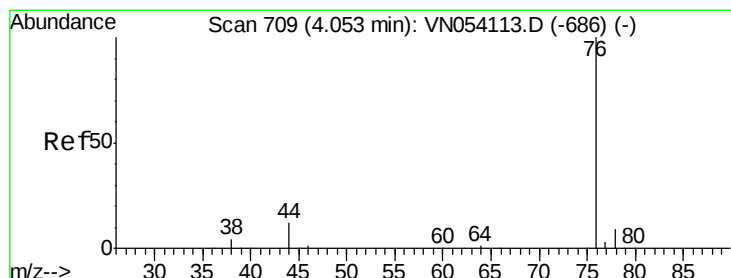
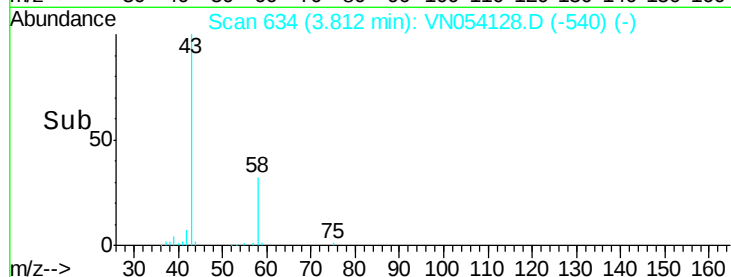
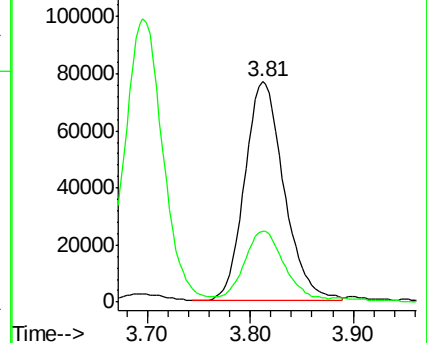
43 100

58 30.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054128.D

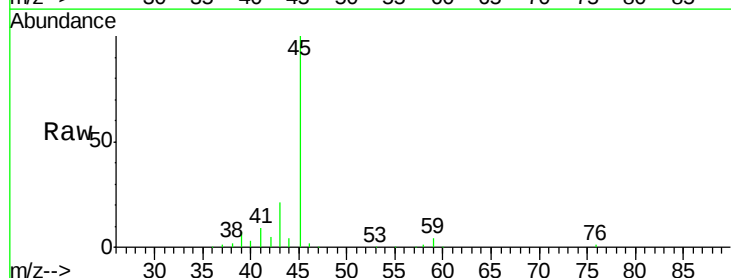
Acq: 6 Mar 2019 20:25

Tgt Ion: 76 Resp: 4328

Ion Ratio Lower Upper

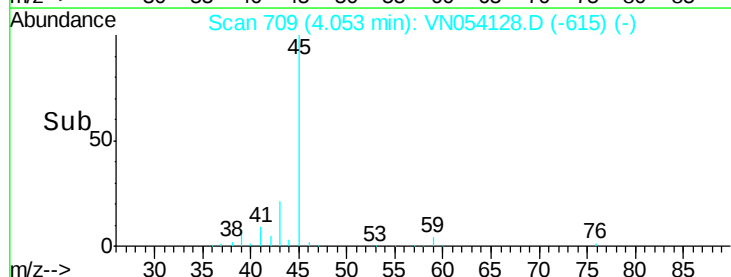
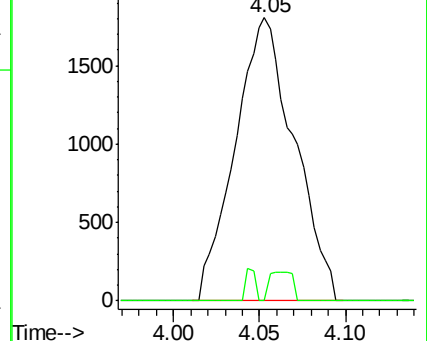
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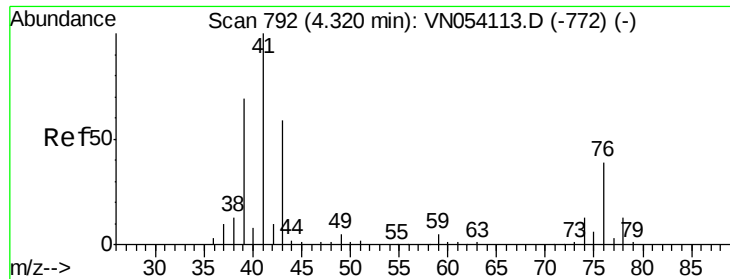
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

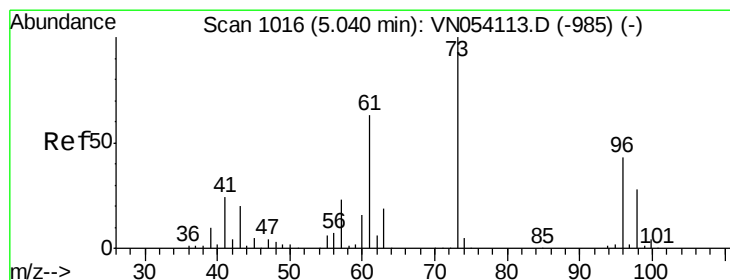
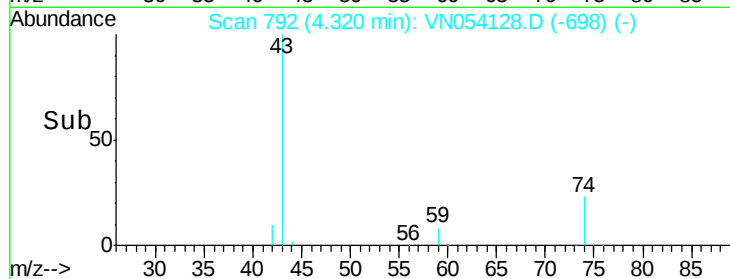
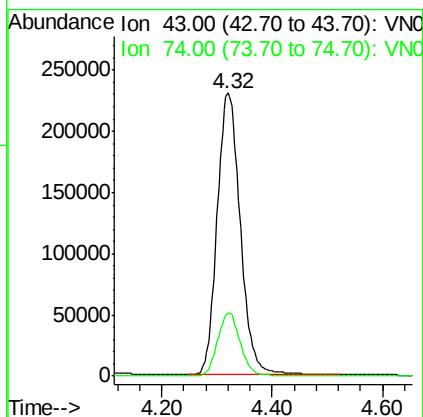
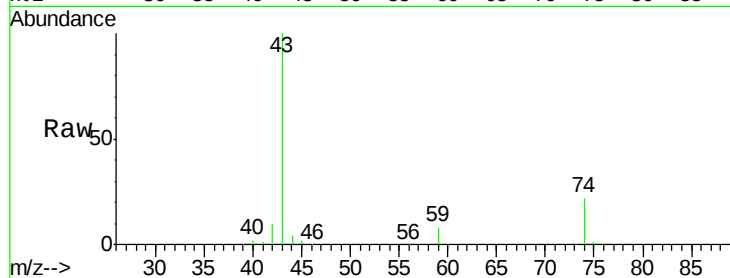




#18
Methyl Acetate
Concen: 127.224 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

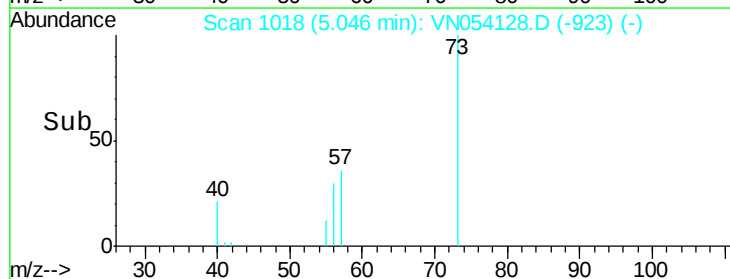
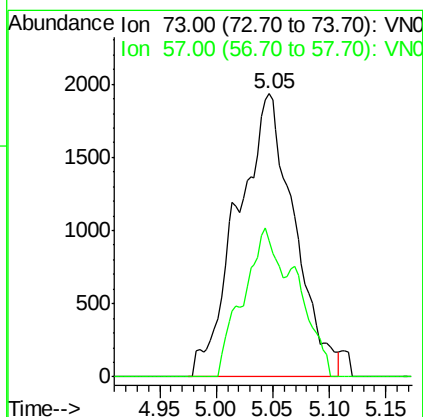
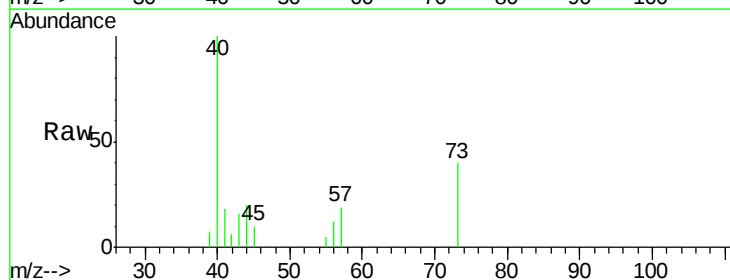
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

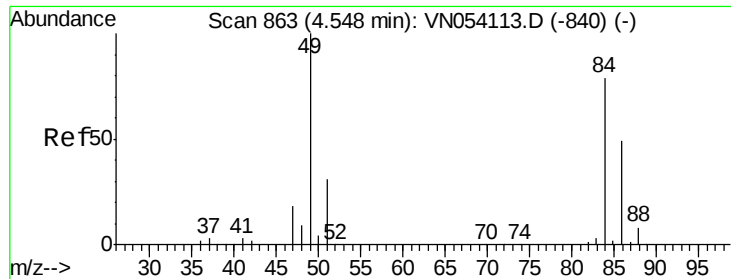
Tgt Ion: 43 Resp: 668810
Ion Ratio Lower Upper
43 100
74 22.1 18.2 27.2



#19
Methyl tert-butyl Ether
Concen: 0.414 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 73 Resp: 6756
Ion Ratio Lower Upper
73 100
57 48.0 18.2 27.4#

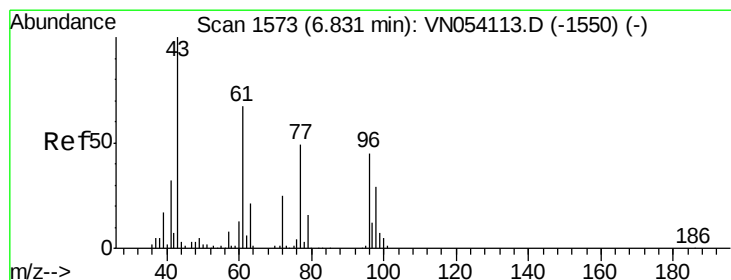
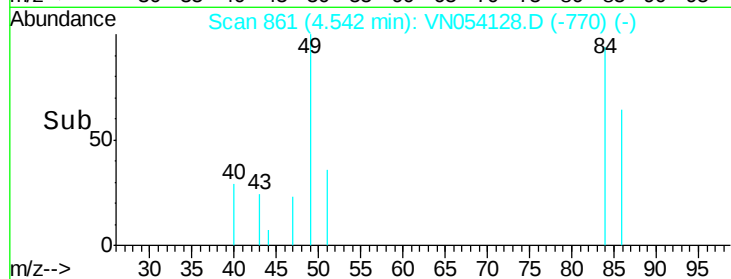
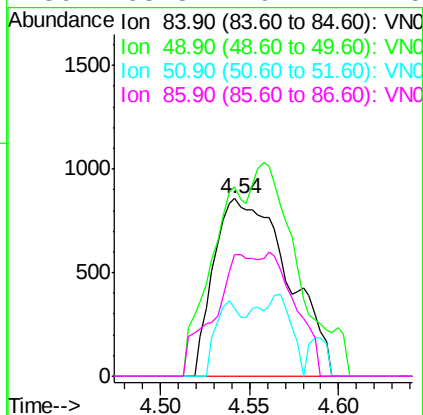
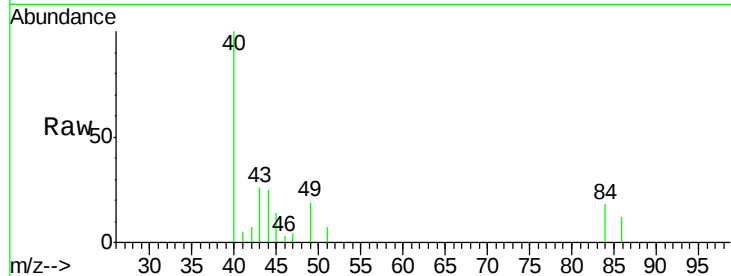




#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

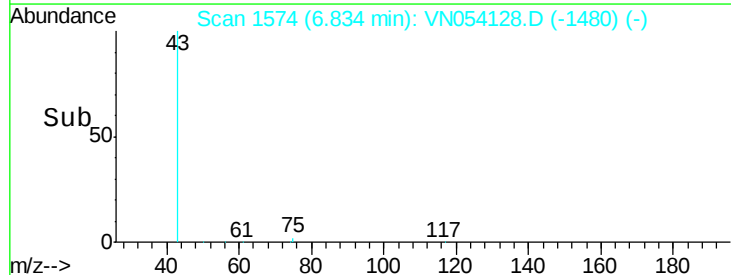
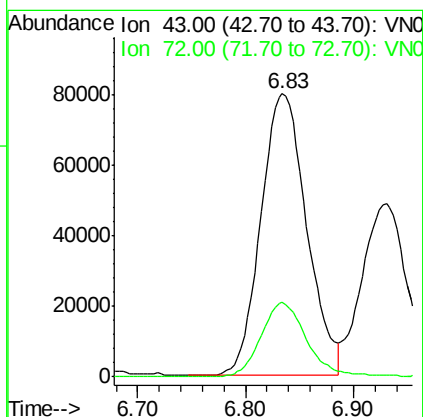
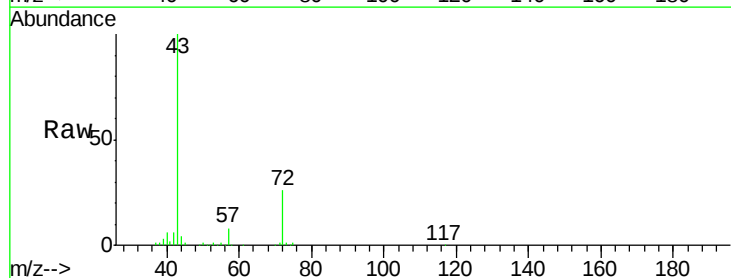
Instrument :
MSVOA_N
ClientSampled :
COMP-2

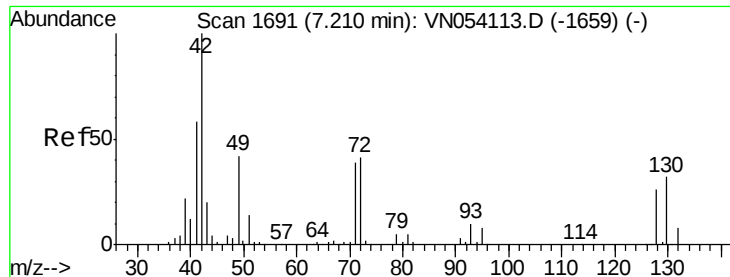
Tgt Ion: 84 Resp: 2488
Ion Ratio Lower Upper
84 100
49 79.6 101.8 152.8#
51 38.0 31.1 46.7
86 68.3 49.7 74.5



#25
2-Butanone
Concen: 79.194 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 43 Resp: 234861
Ion Ratio Lower Upper
43 100
72 26.1 20.2 30.2





#29

Tetrahydrofuran

Concen: 0.366 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

COMP-2

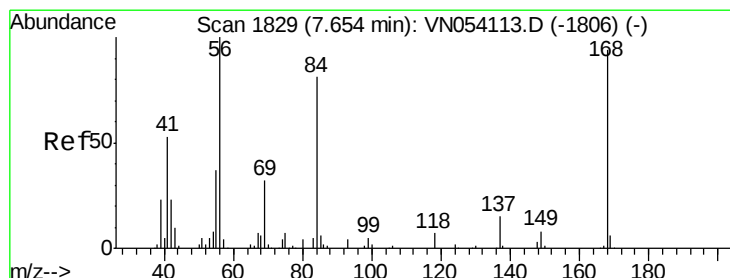
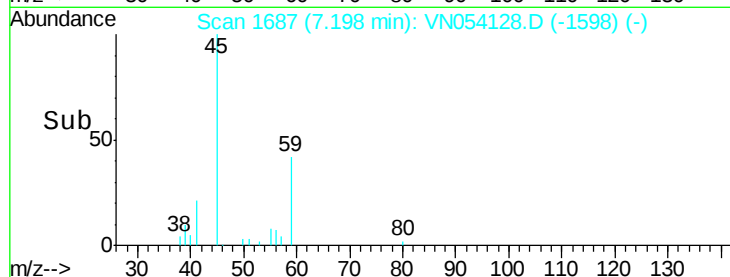
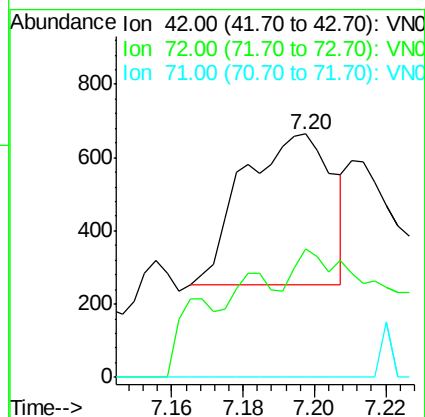
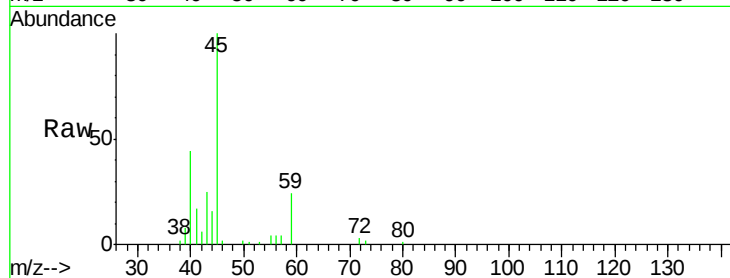
Tgt Ion: 42 Resp: 711

Ion Ratio Lower Upper

42 100

72 26.4 32.8 49.2#

71 0.0 30.5 45.7#



#31

Cyclohexane

Concen: 0.780 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

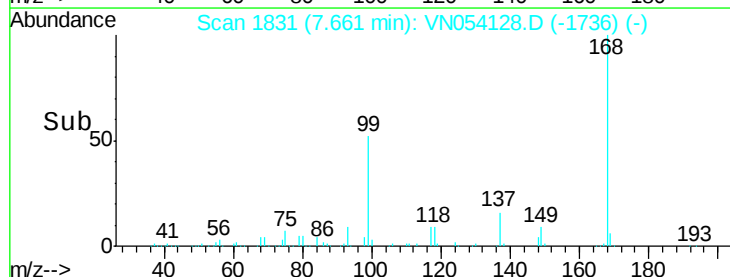
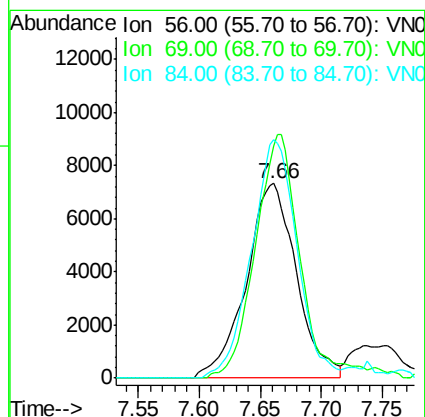
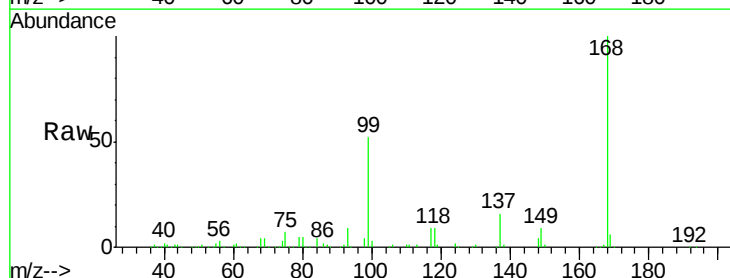
Tgt Ion: 56 Resp: 20888

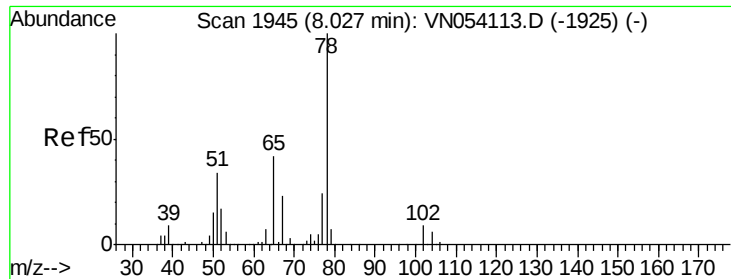
Ion Ratio Lower Upper

56 100

69 119.2 25.5 38.3#

84 122.4 64.5 96.7#





#33

1,2-Dichloroethane-d4

Concen: 51.917 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

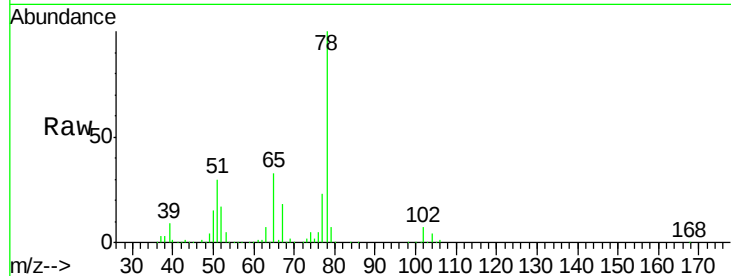
COMP-2

Tgt Ion: 65 Resp: 375729

Ion Ratio Lower Upper

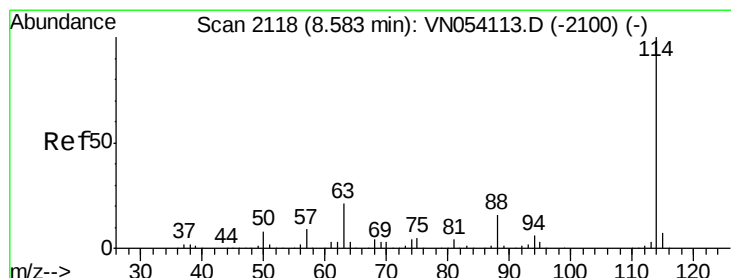
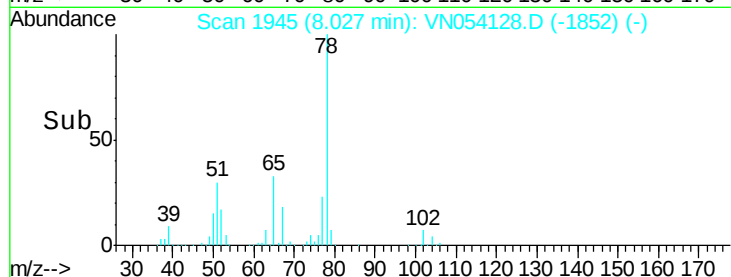
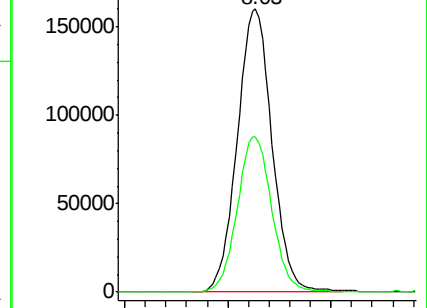
65 100

67 55.0 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

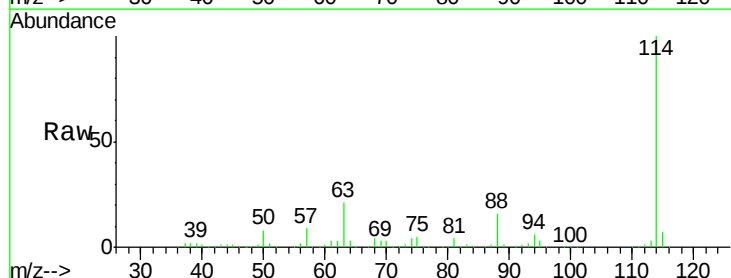
Tgt Ion: 114 Resp: 1084916

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

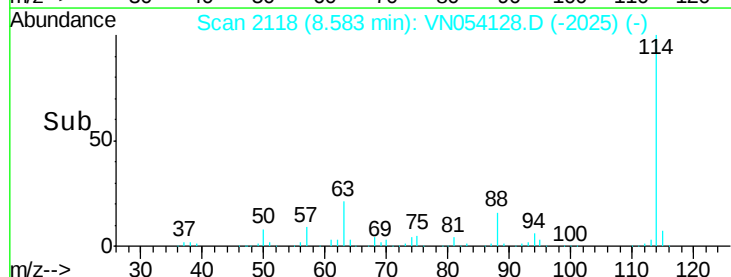
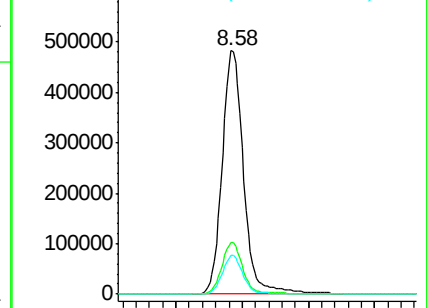
88 15.8 0.0 31.8

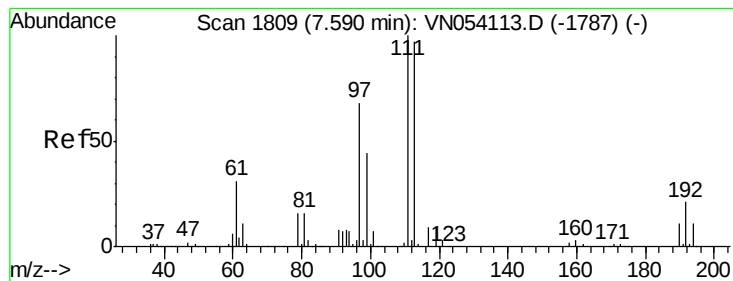


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 48.246 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

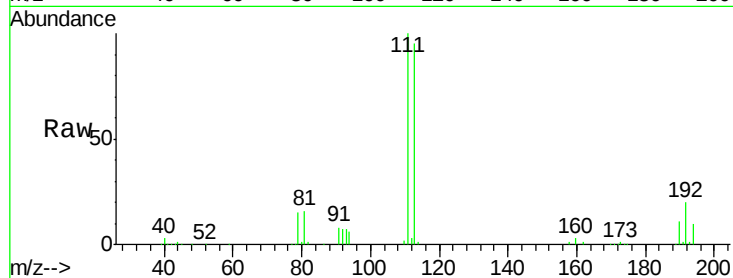
Tgt Ion:113 Resp: 339959

Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

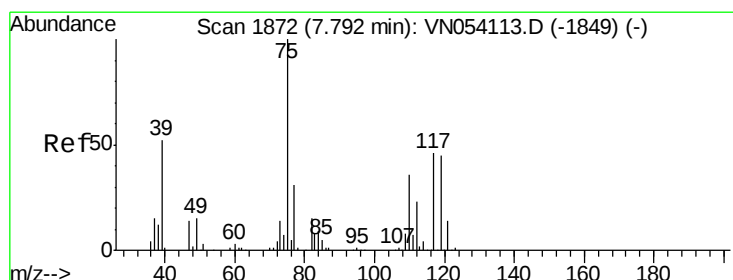
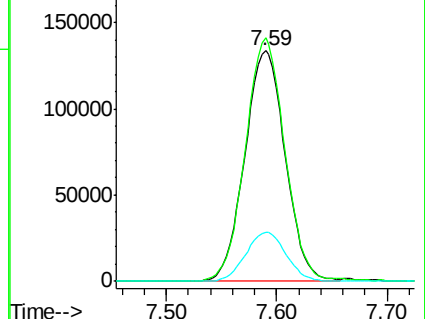
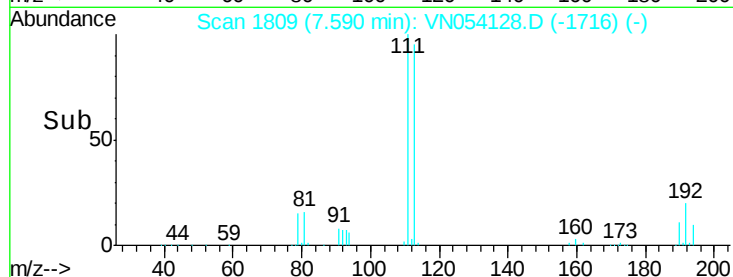
192 21.3 17.4 26.0



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



#36

1,1-Dichloropropene

Concen: 3.947 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

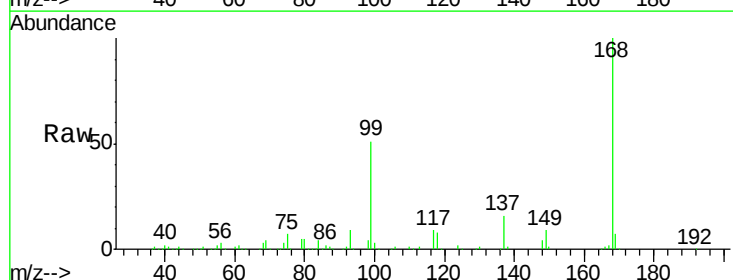
Tgt Ion: 75 Resp: 40193

Ion Ratio Lower Upper

75 100

110 8.1 18.0 54.0#

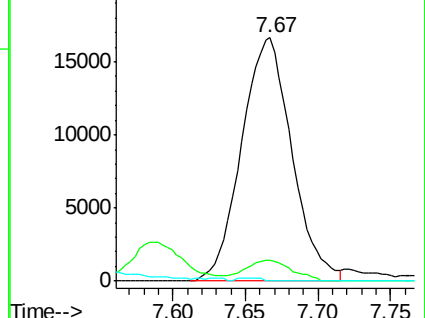
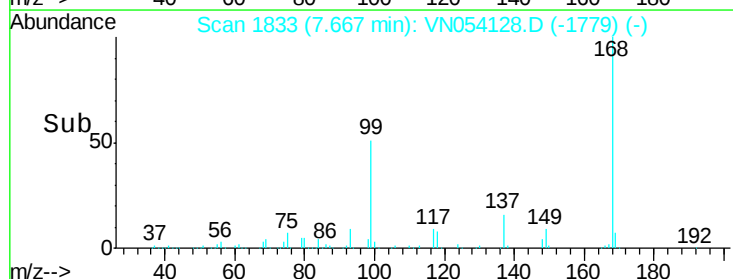
77 0.0 25.3 37.9#

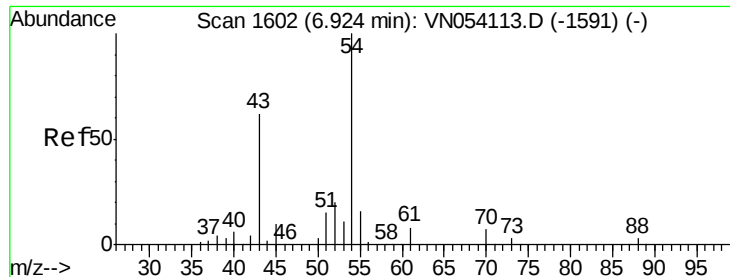


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

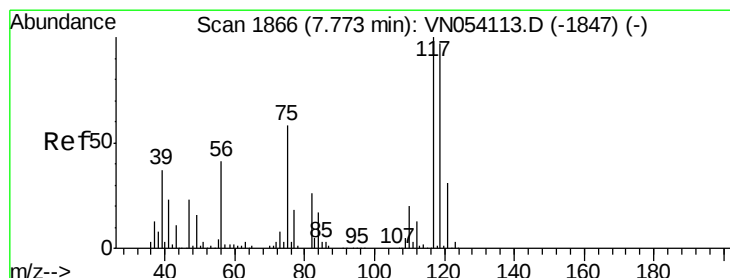
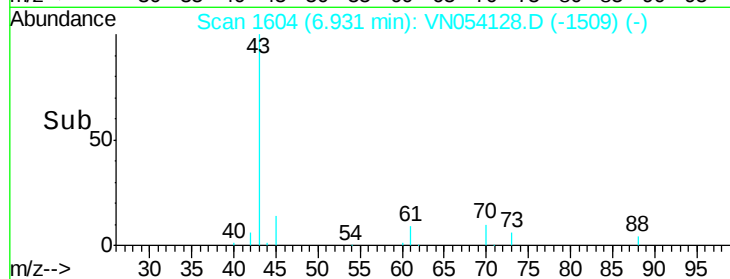
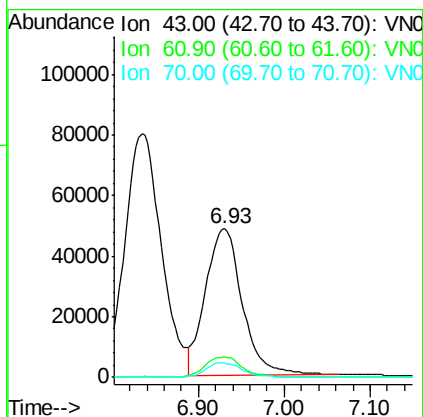
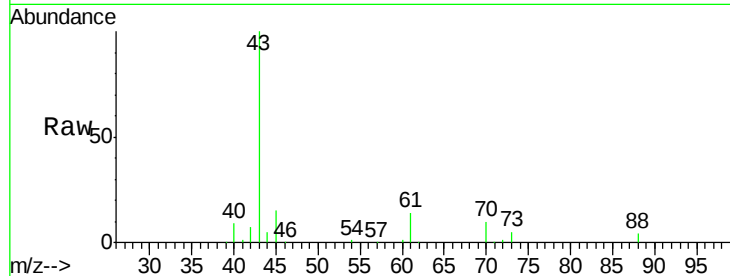




#37
Ethyl Acetate
Concen: 19.720 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

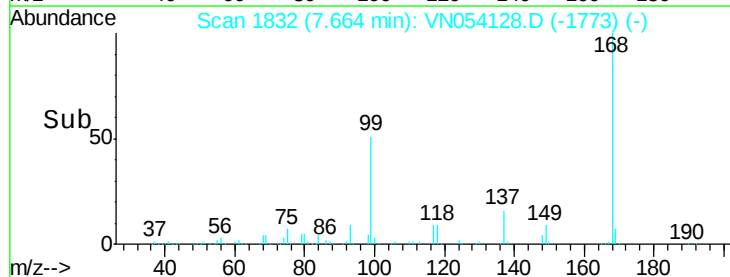
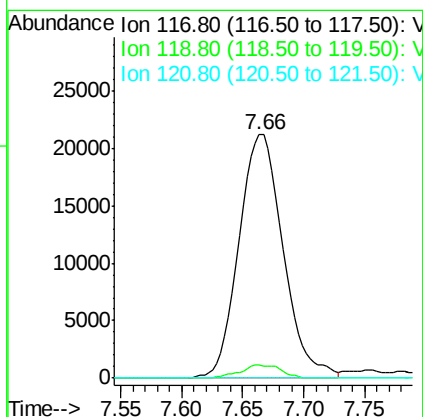
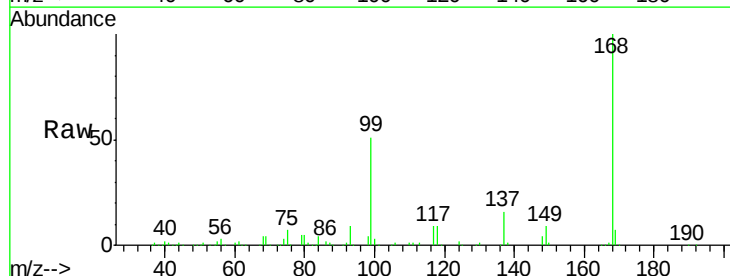
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

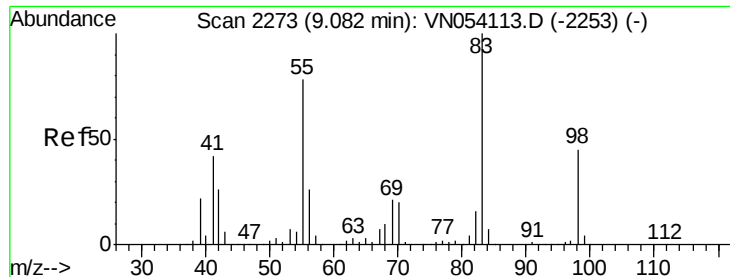
Tgt Ion: 43 Resp: 144498
Ion Ratio Lower Upper
43 100
61 14.0 11.1 16.7
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.475 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 117 Resp: 53224
Ion Ratio Lower Upper
117 100
119 5.6 77.0 115.6#
121 0.0 24.3 36.5#

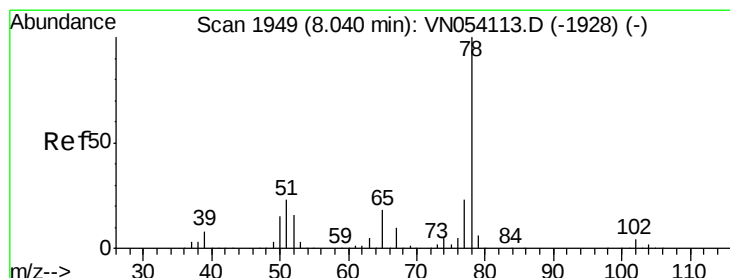
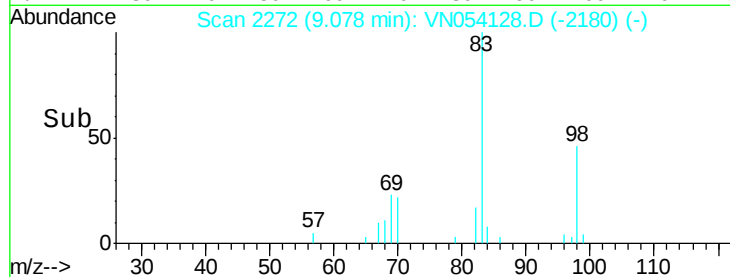
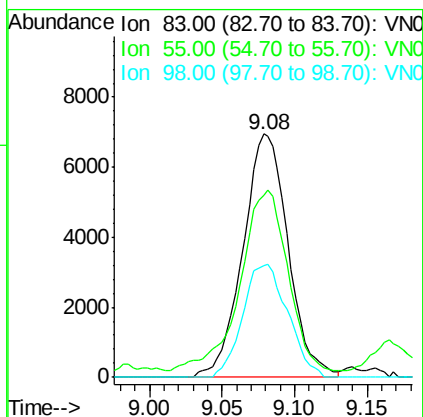
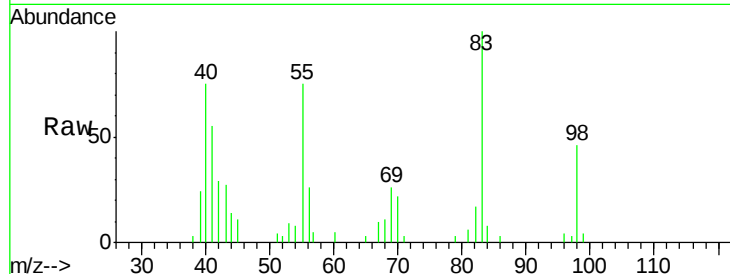




#39
Methylcyclohexane
Concen: 1.284 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

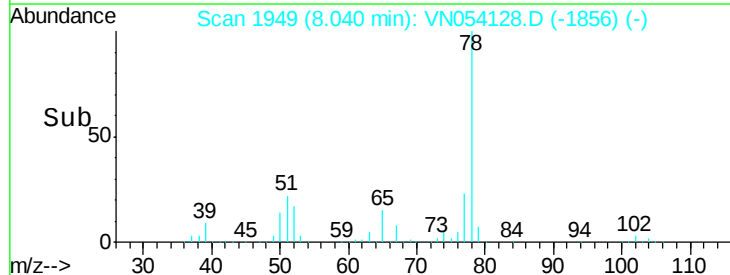
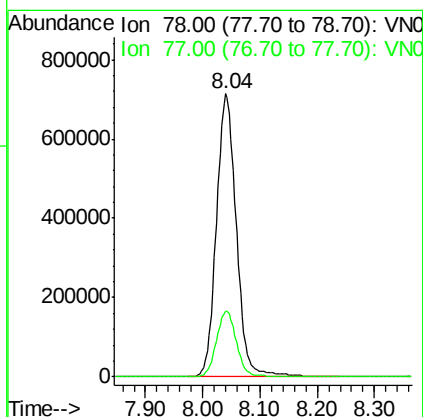
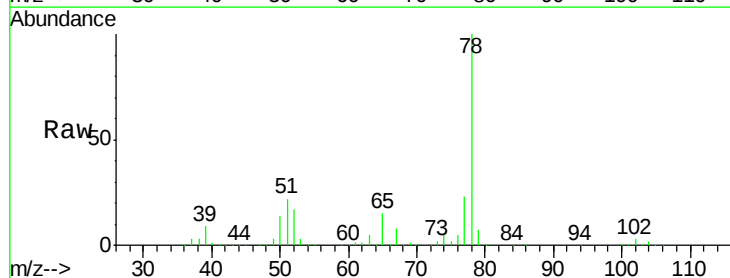
Instrument :
MSVOA_N
ClientSampled :
COMP-2

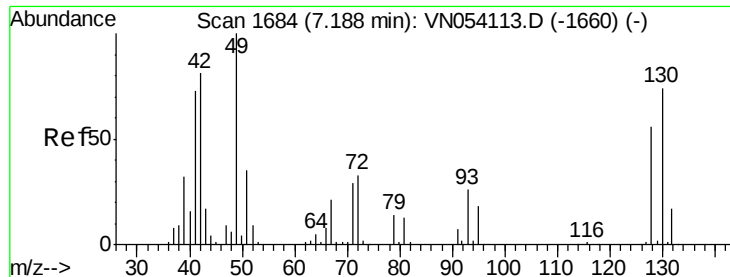
Tgt Ion: 83 Resp: 15093
Ion Ratio Lower Upper
83 100
55 72.0 62.1 93.1
98 46.1 36.0 54.0



#40
Benzene
Concen: 57.408 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 78 Resp: 1729565
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1





#41

Methacrylonitrile

Concen: 2.120 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

Tgt Ion: 41 Resp: 8096

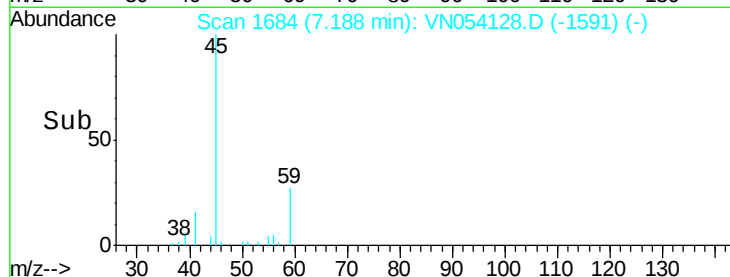
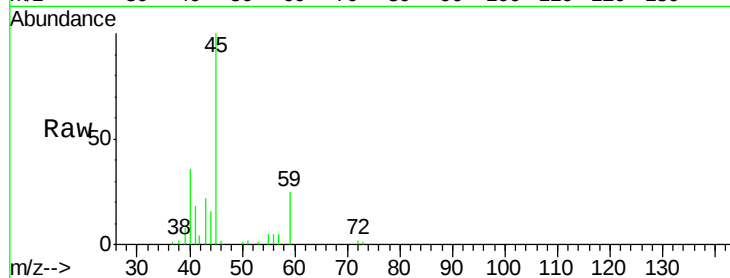
Ion Ratio Lower Upper

41 100

39 14.3 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

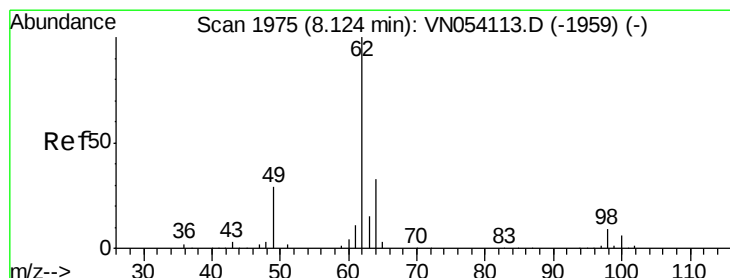
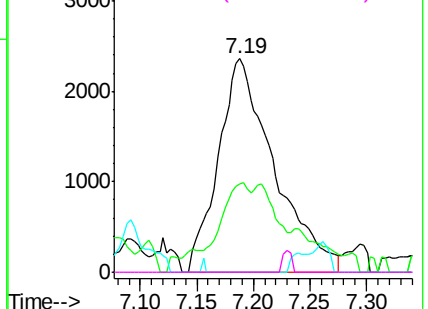


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 1.414 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.08 min

Lab File: VN054128.D

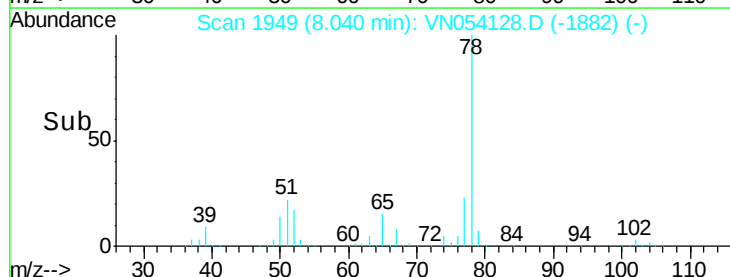
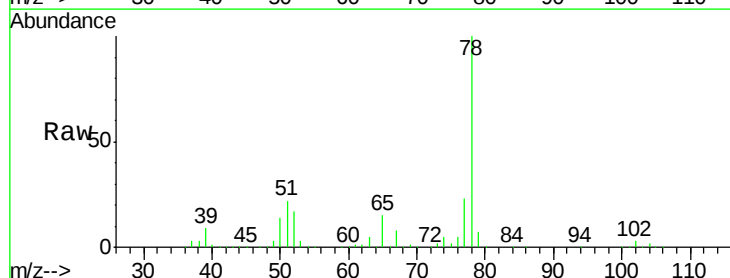
Acq: 6 Mar 2019 20:25

Tgt Ion: 62 Resp: 13490

Ion Ratio Lower Upper

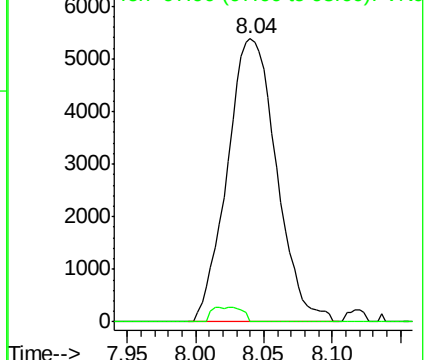
62 100

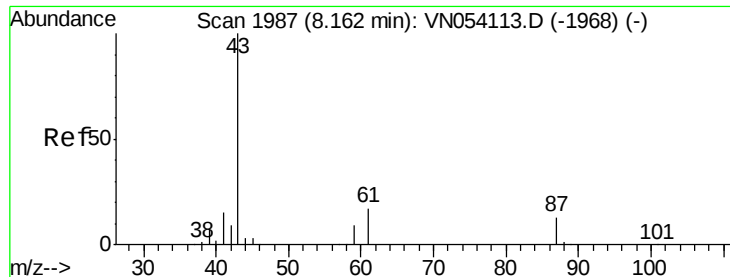
98 0.0 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 10.180 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.14 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

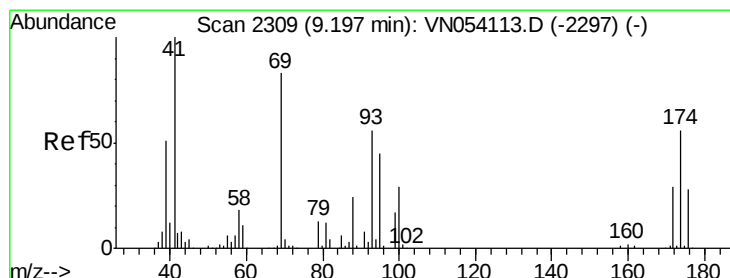
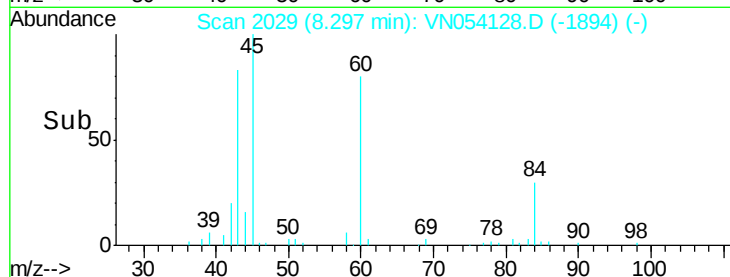
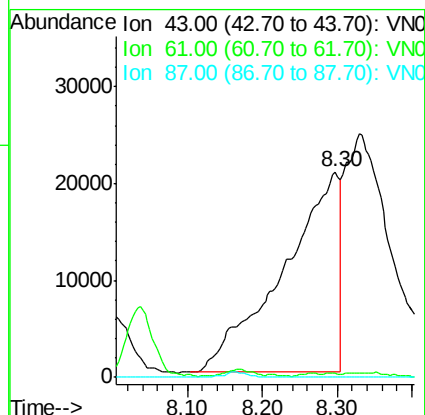
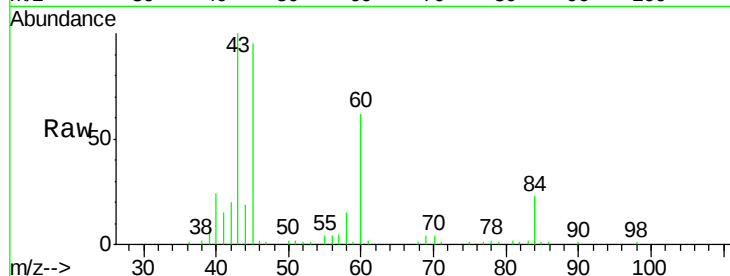
Tgt Ion: 43 Resp: 108093

Ion Ratio Lower Upper

43 100

61 0.0 22.5 33.7#

87 0.0 10.1 15.1#



#48

Methyl methacrylate

Concen: 1.469 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.03 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

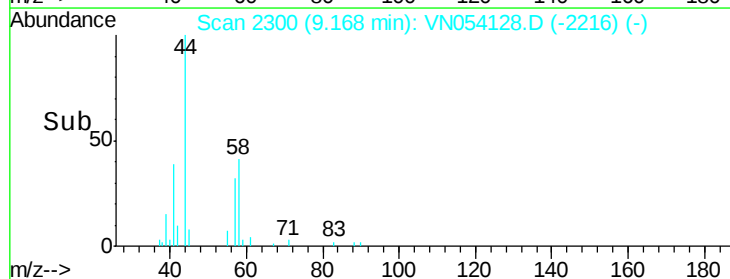
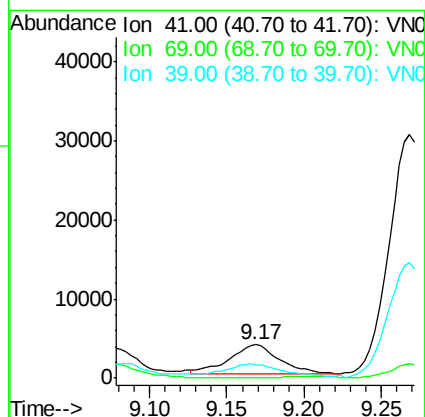
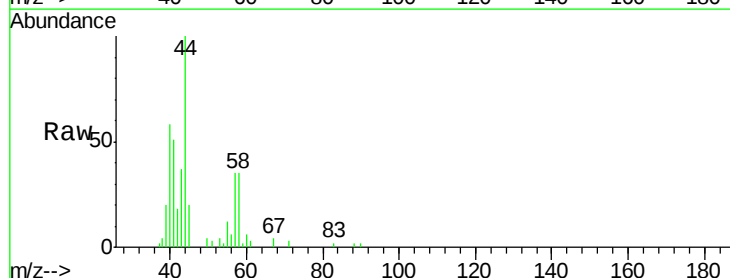
Tgt Ion: 41 Resp: 8229

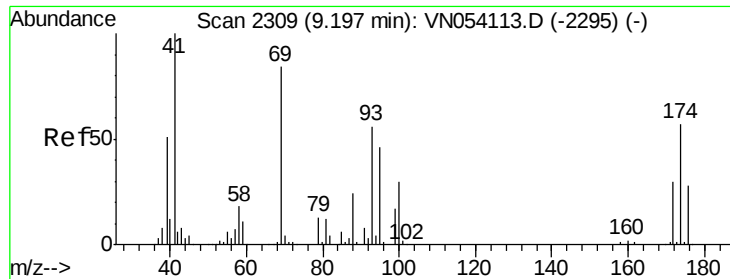
Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.4#

39 61.6 43.7 65.5





#49

1,4-Dioxane

Concen: 29.484 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

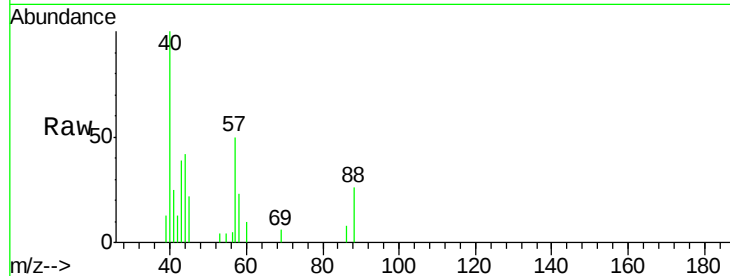
Tgt Ion: 88 Resp: 2375

Ion Ratio Lower Upper

88 100

43 0.0 25.5 38.3#

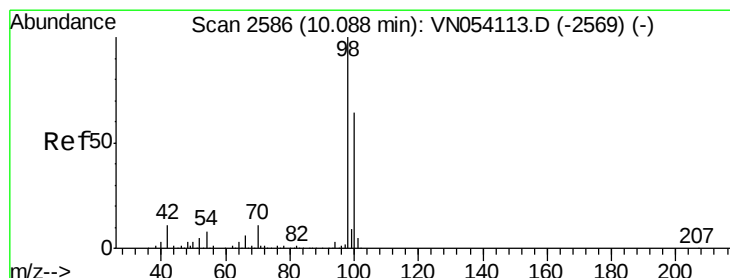
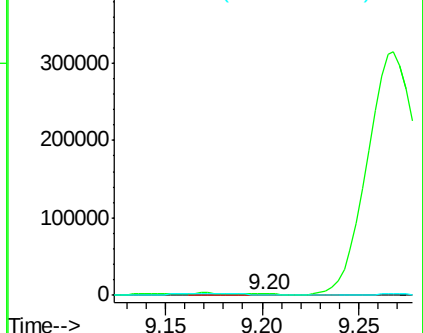
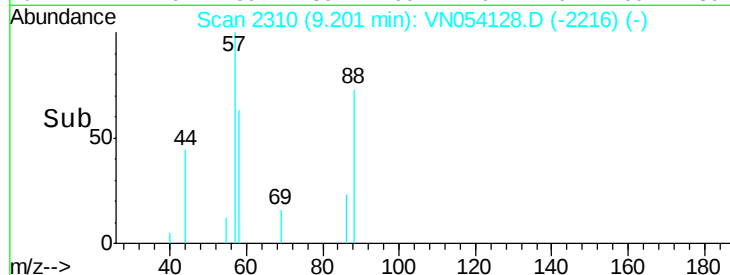
58 0.0 58.3 87.5#



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: 52.167 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054128.D

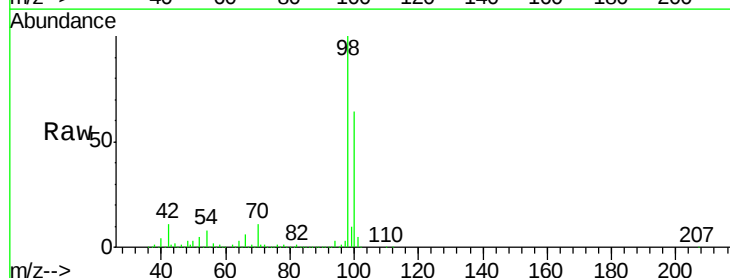
Acq: 6 Mar 2019 20:25

Tgt Ion: 98 Resp: 1395881

Ion Ratio Lower Upper

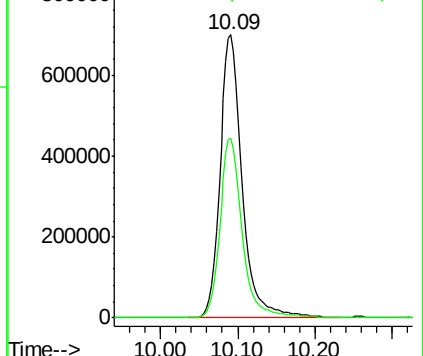
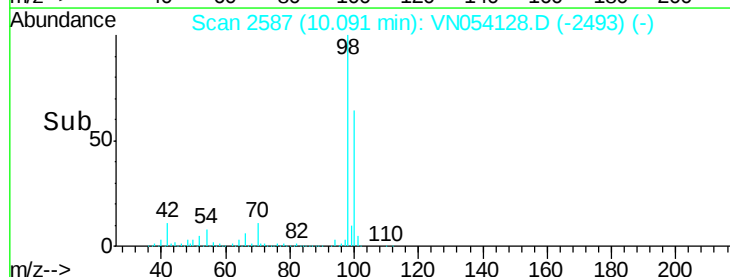
98 100

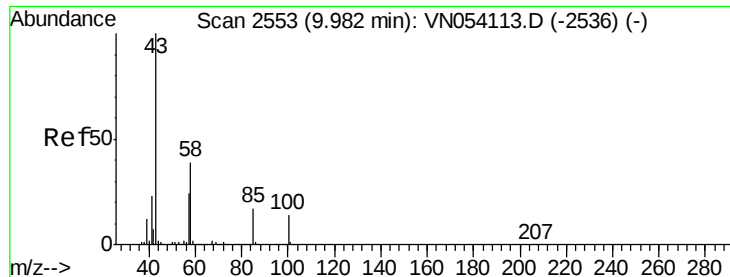
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

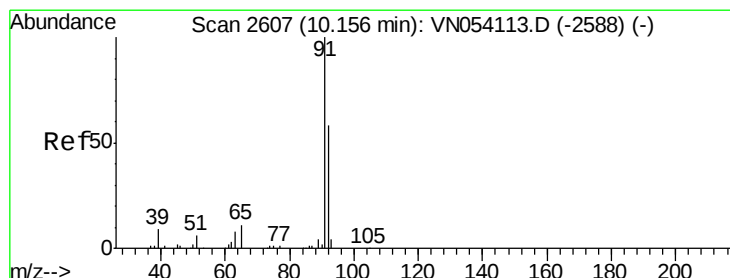
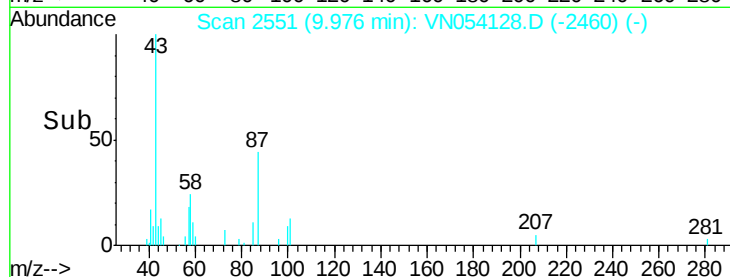
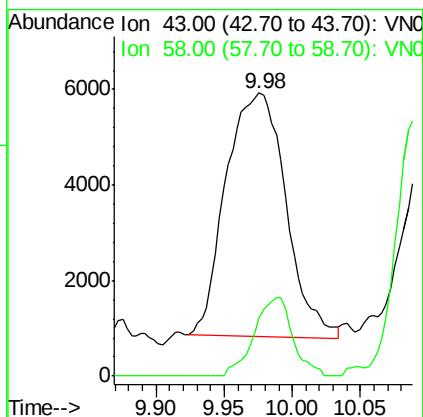
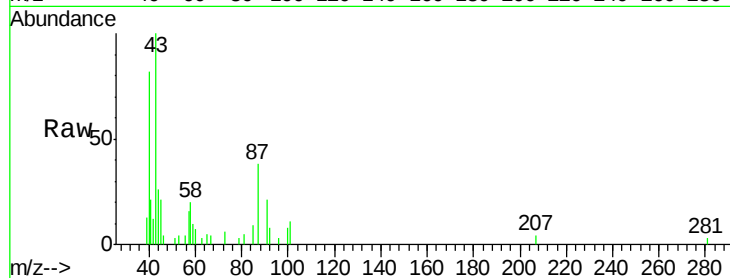




#51
 4-Methyl-2-Pentanone
 Concen: 2.394 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

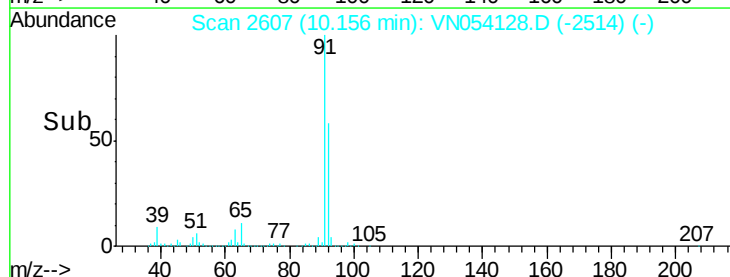
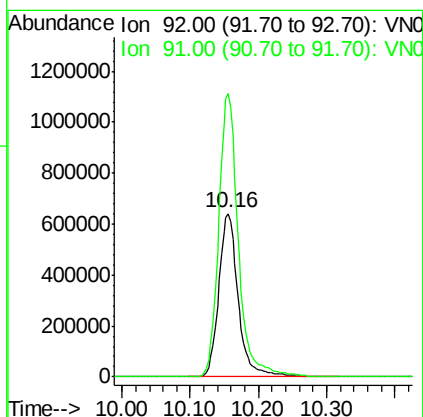
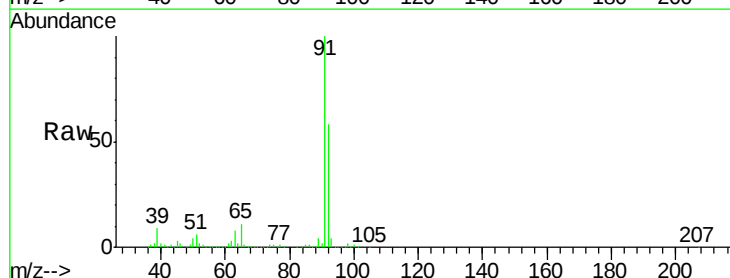
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

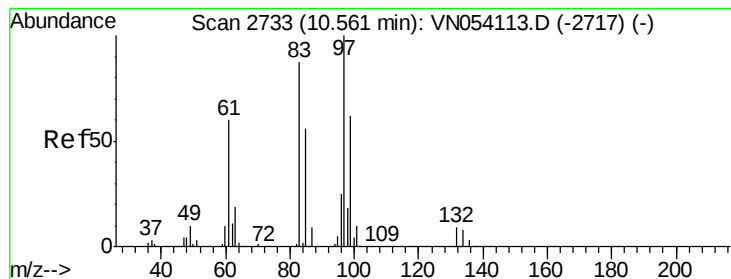
Tgt Ion: 43 Resp: 15566
 Ion Ratio Lower Upper
 43 100
 58 20.7 30.8 46.2#



#52
 Toluene
 Concen: 70.972 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

Tgt Ion: 92 Resp: 1266788
 Ion Ratio Lower Upper
 92 100
 91 174.7 139.0 208.6





#55

1,1,2-Trichloroethane

Concen: 20.042 ug/l

RT: 10.41 min Scan# 2687

Delta R.T. -0.15 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

Tgt Ion: 97 Resp: 134710

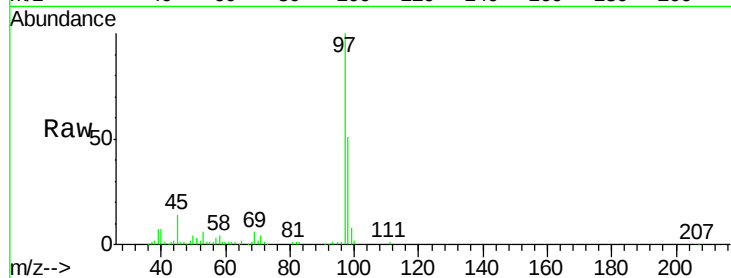
Ion Ratio Lower Upper

97 100

83 0.7 69.8 104.6#

85 0.0 45.0 67.4#

99 7.7 49.8 74.6#

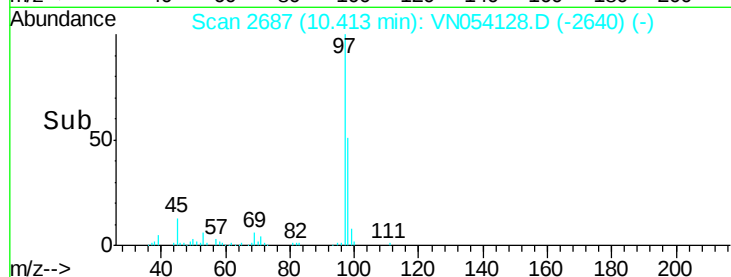


Abundance Ion 96.90 (96.60 to 97.60): VN0

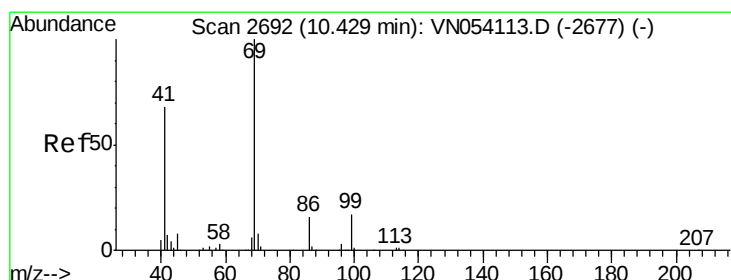
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 0.893 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

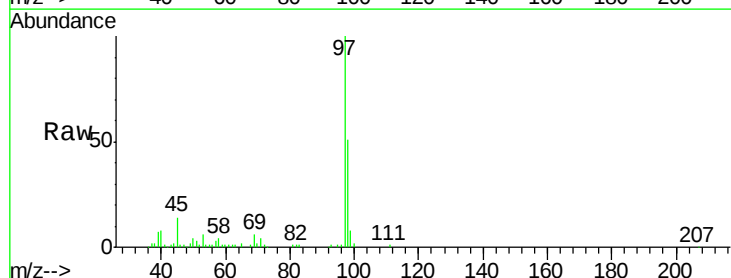
Tgt Ion: 69 Resp: 7049

Ion Ratio Lower Upper

69 100

41 0.0 53.4 80.2#

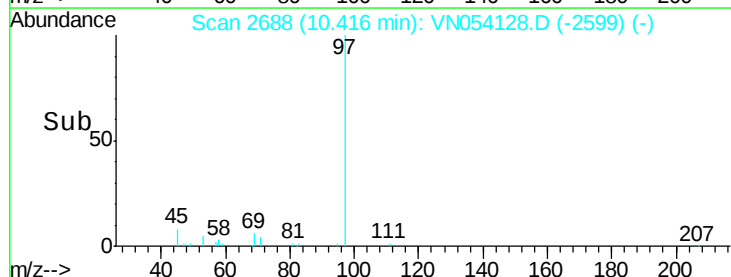
39 121.1 25.6 38.4#



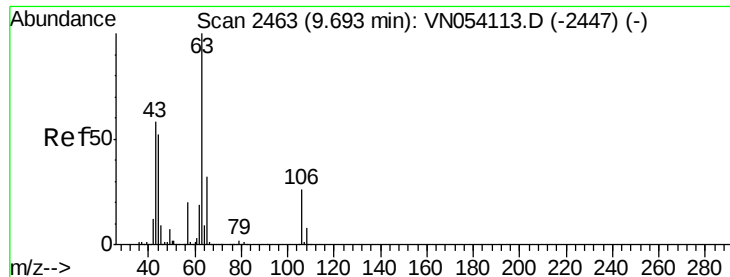
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.328 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.02 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

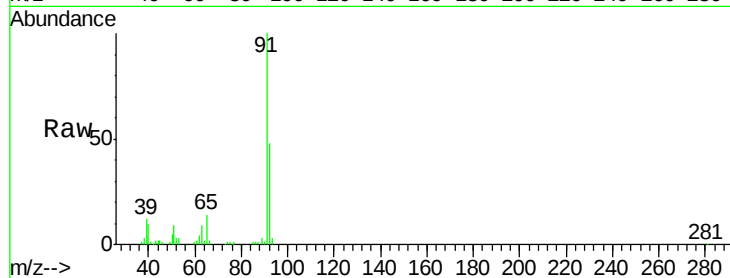
COMP-2

Tgt Ion: 63 Resp: 8409

Ion Ratio Lower Upper

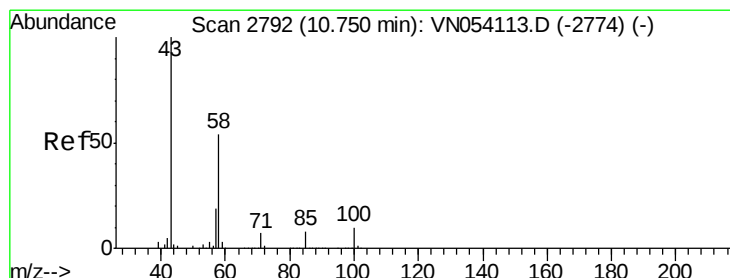
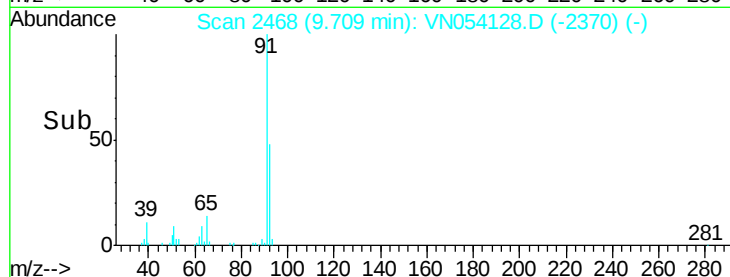
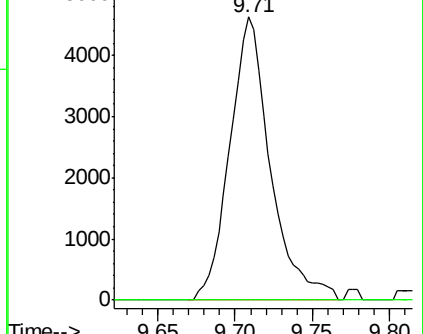
63 100

106 0.0 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 109.386 ug/l

RT: 10.85 min Scan# 2824

Delta R.T. 0.10 min

Lab File: VN054128.D

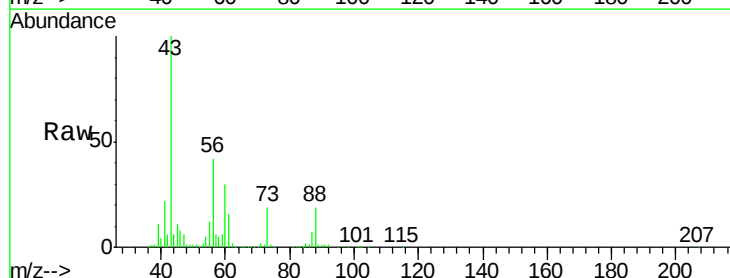
Acq: 6 Mar 2019 20:25

Tgt Ion: 43 Resp: 469139

Ion Ratio Lower Upper

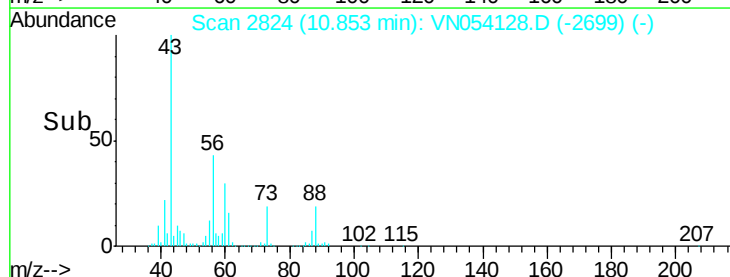
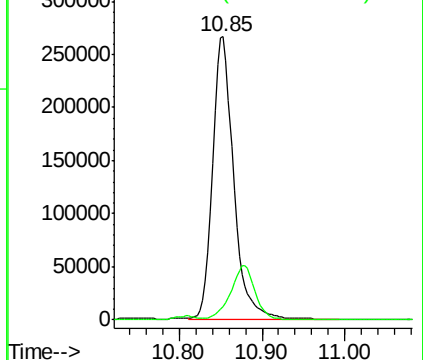
43 100

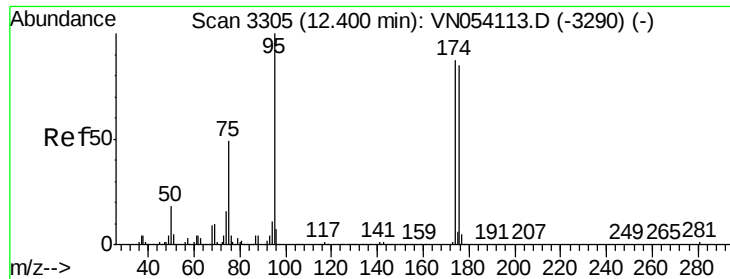
58 0.0 27.0 81.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 61.745 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

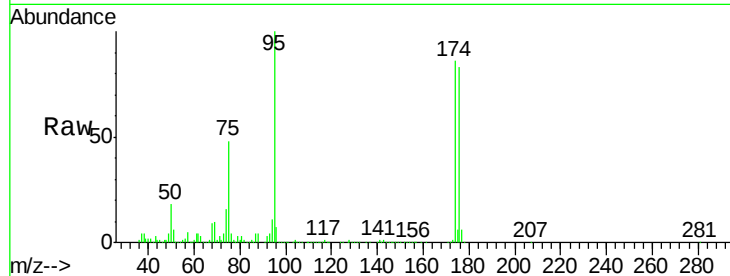
Tgt Ion: 95 Resp: 537897

Ion Ratio Lower Upper

95 100

174 87.0 0.0 173.2

176 83.7 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN054113.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN054113.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN054113.D (-3290) (-)

12.40

300000

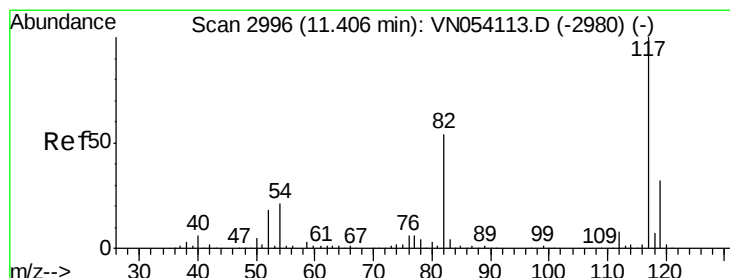
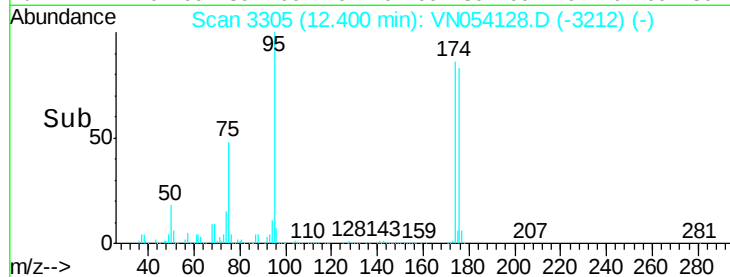
200000

100000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

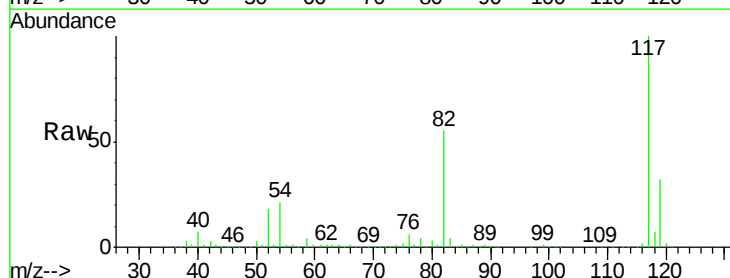
Tgt Ion: 117 Resp: 1104781

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.2

119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VN054113.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054113.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054113.D (-2980) (-)

11.41

800000

600000

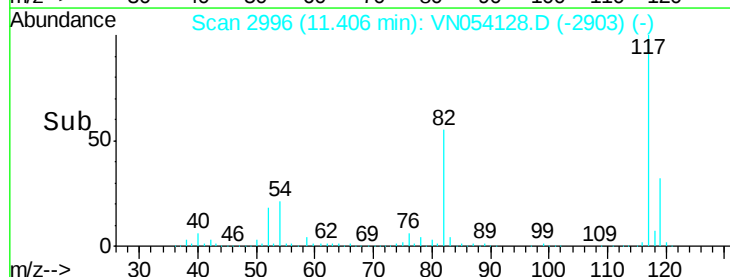
400000

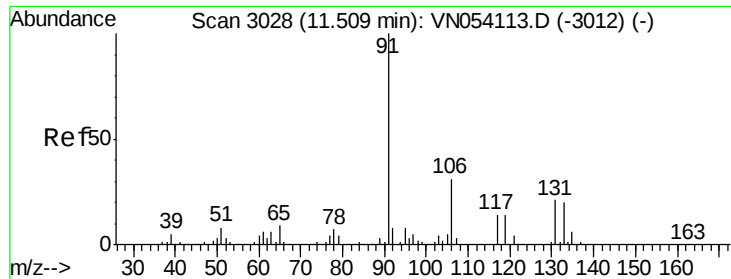
200000

0

11.30 11.40 11.50

Time-->

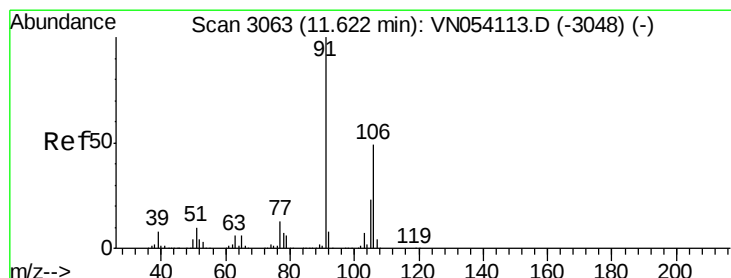
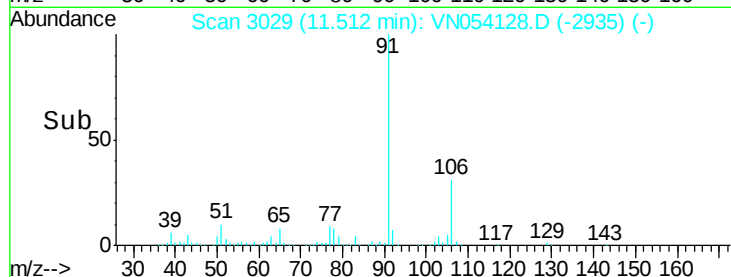
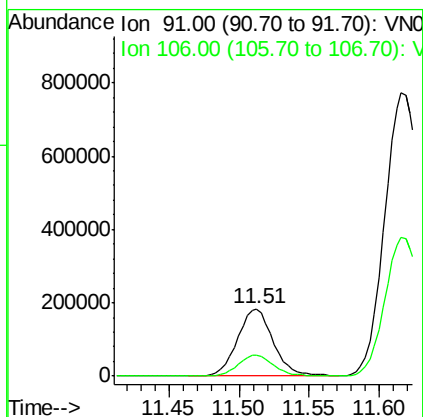
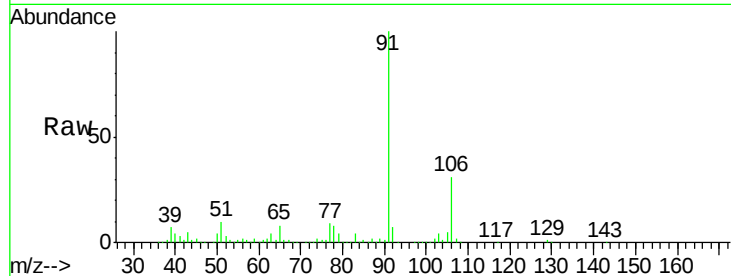




#67
Ethyl Benzene
Concen: 8.467 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

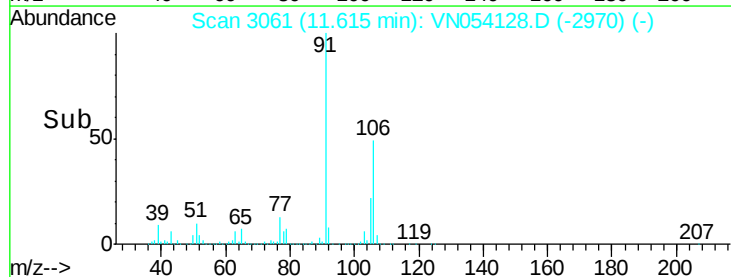
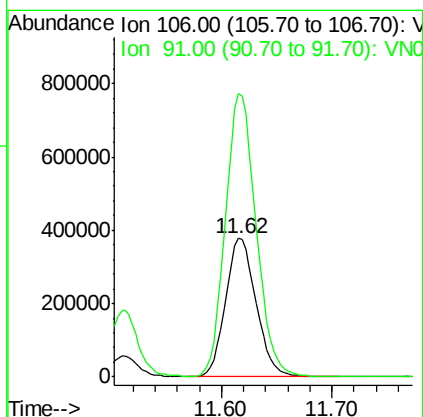
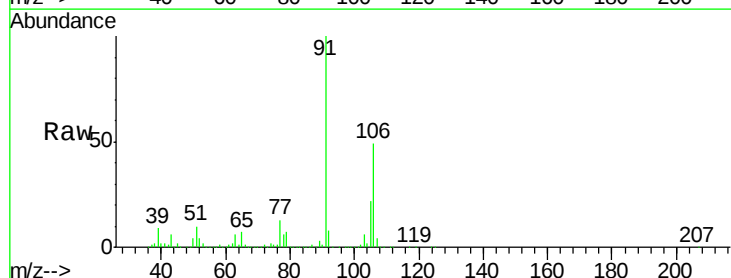
Instrument :
MSVOA_N
ClientSampled :
COMP-2

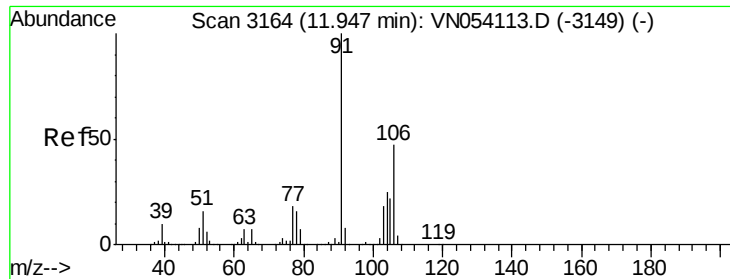
Tgt Ion: 91 Resp: 325734
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 50.031 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 106 Resp: 726369
Ion Ratio Lower Upper
106 100
91 205.2 163.2 244.8

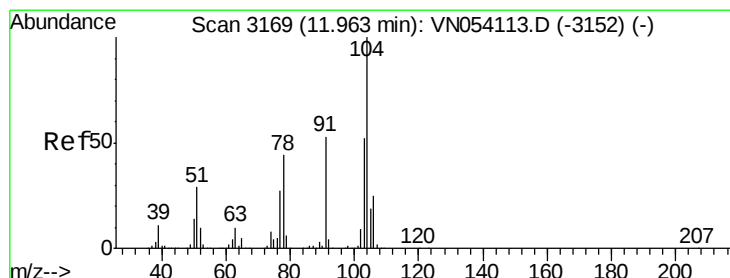
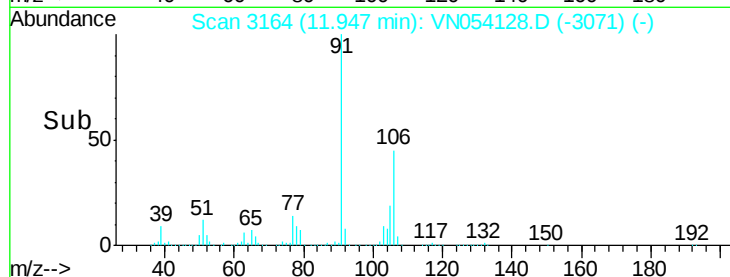
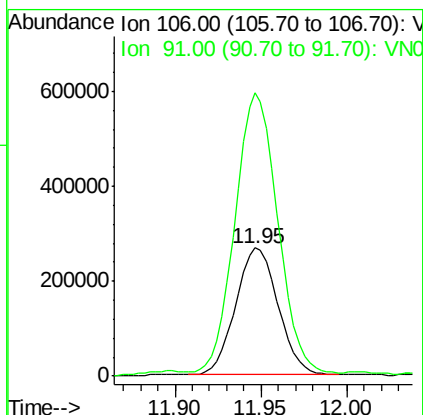
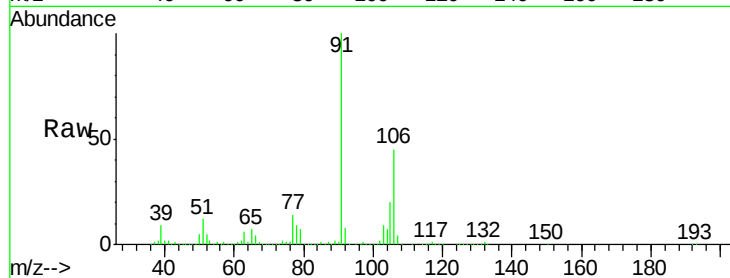




#69
o-Xylene
Concen: 32.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

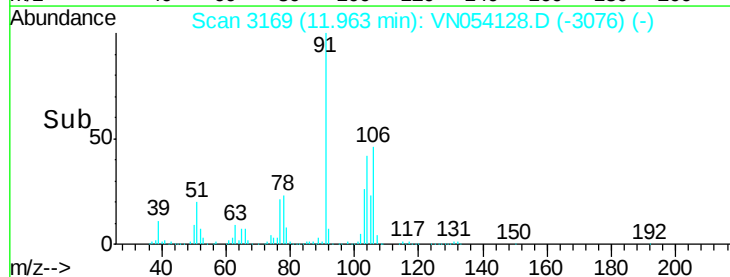
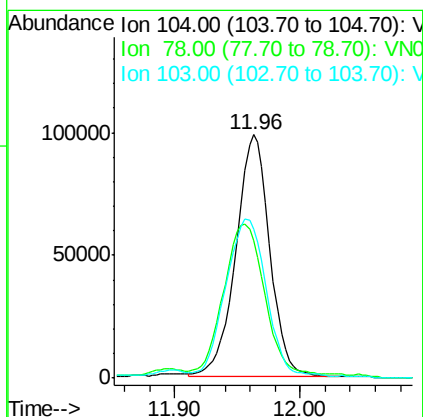
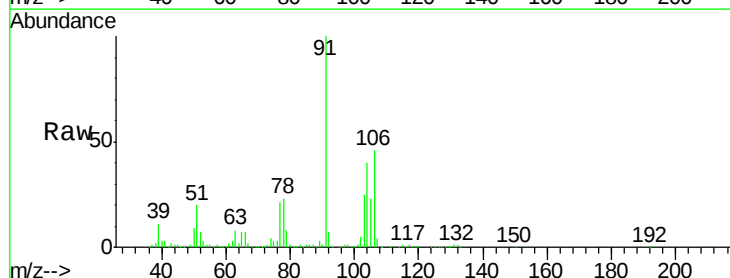
Instrument :
MSVOA_N
ClientSampled :
COMP-2

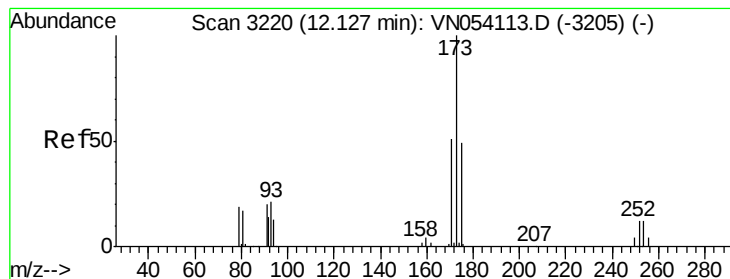
Tgt Ion:106 Resp: 458024
Ion Ratio Lower Upper
106 100
91 221.7 107.1 321.3



#70
Styrene
Concen: 8.344 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion:104 Resp: 185045
Ion Ratio Lower Upper
104 100
78 75.2 39.4 59.0#
103 77.4 44.7 67.1#





#71

Bromoform

Concen: 0.675 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

COMP-2

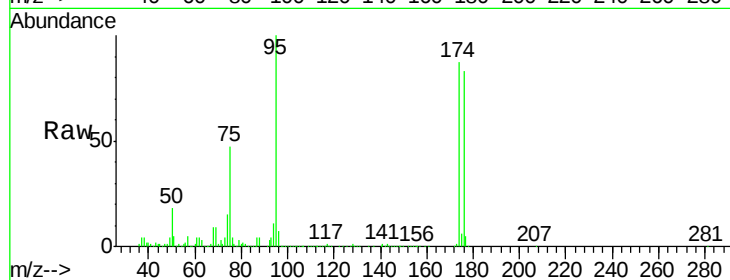
Tgt Ion:173 Resp: 3826

Ion Ratio Lower Upper

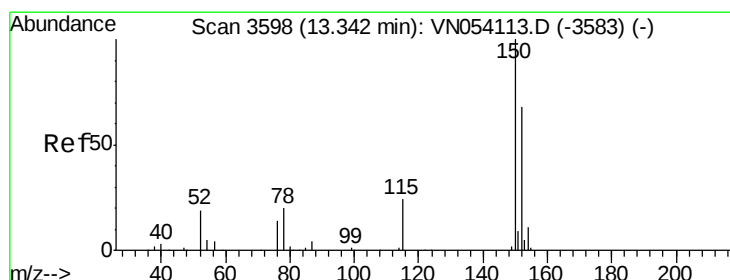
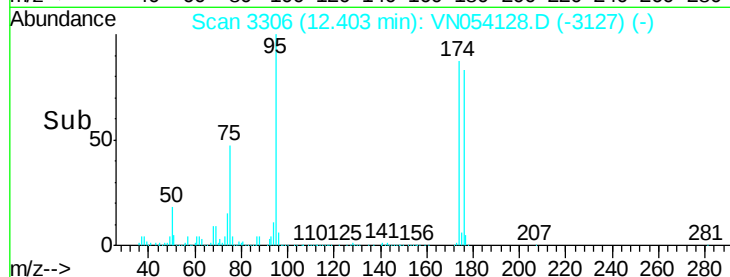
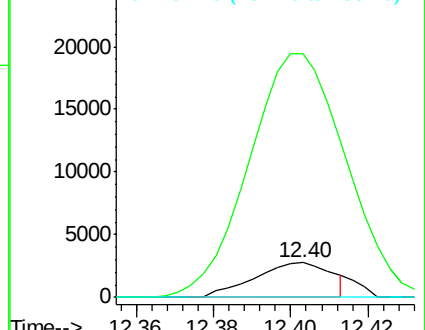
173 100

175 761.3 24.1 72.2#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

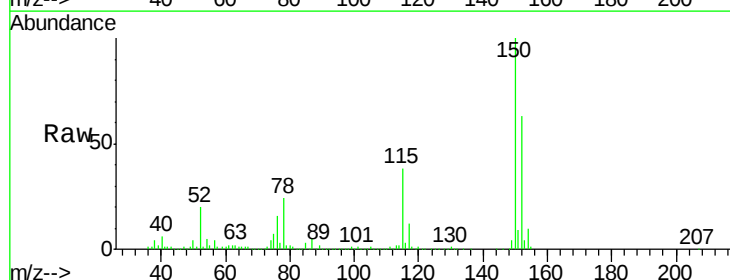
Tgt Ion:152 Resp: 503712

Ion Ratio Lower Upper

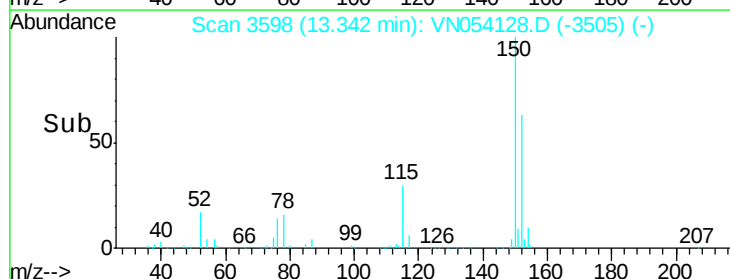
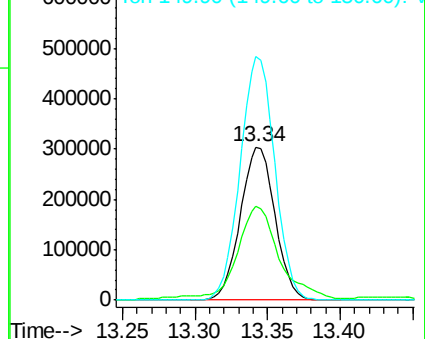
152 100

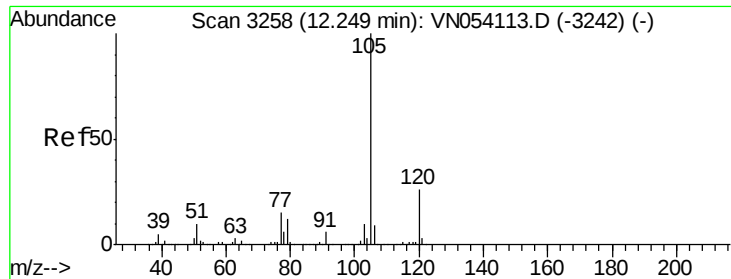
115 74.6 28.5 85.6

150 159.2 0.0 343.2



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





#73

Isopropylbenzene

Concen: 1.944 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

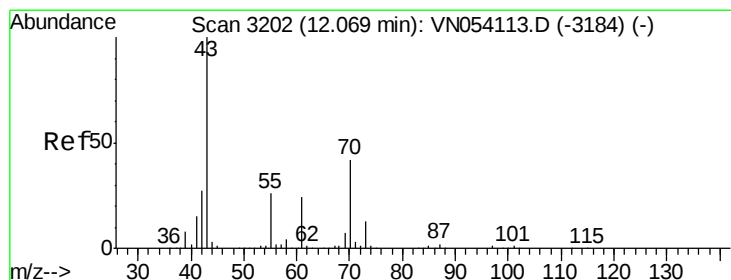
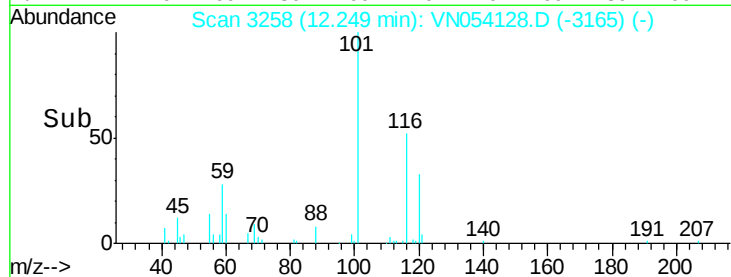
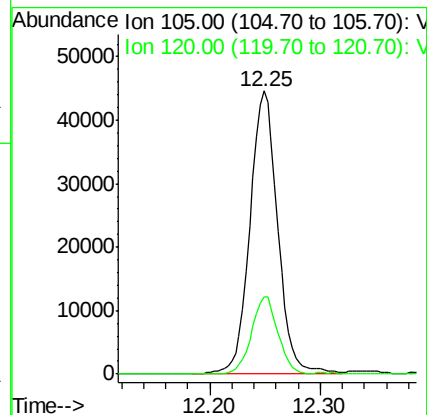
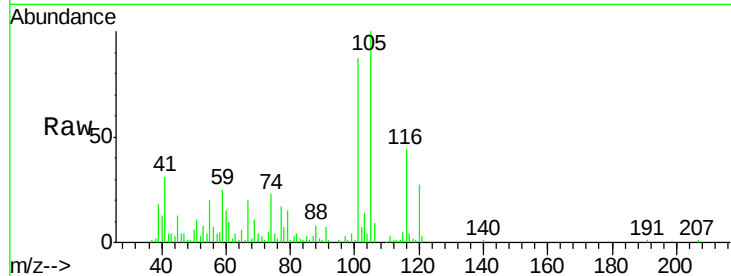
COMP-2

Tgt Ion: 105 Resp: 77905

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.8



#74

N-ethyl acetate

Concen: 1.813 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Tgt Ion: 43 Resp: 19249

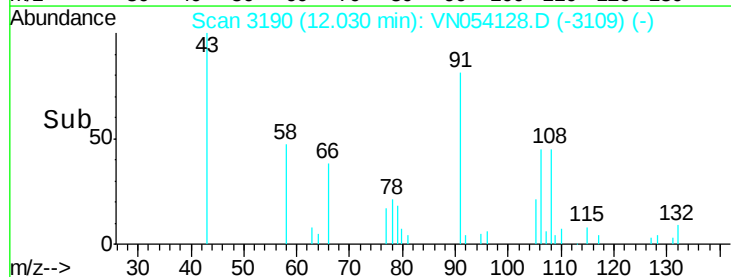
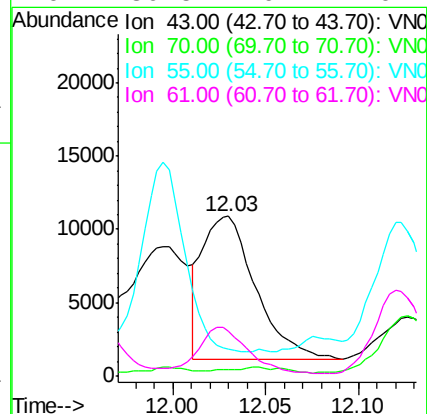
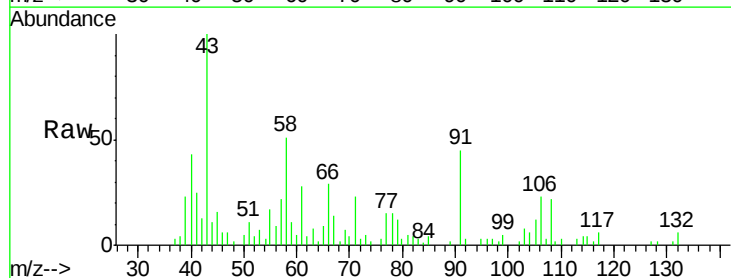
Ion Ratio Lower Upper

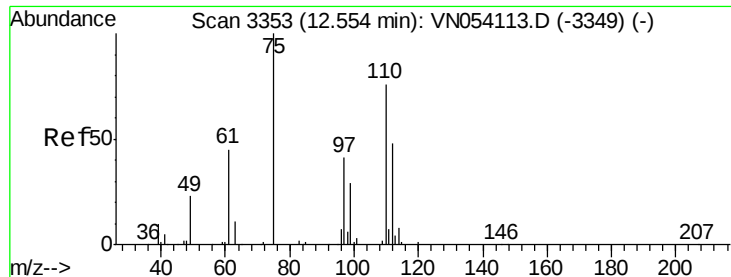
43 100

70 0.0 33.6 50.4#

55 0.0 20.6 31.0#

61 30.5 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 1.732 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. 0.10 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

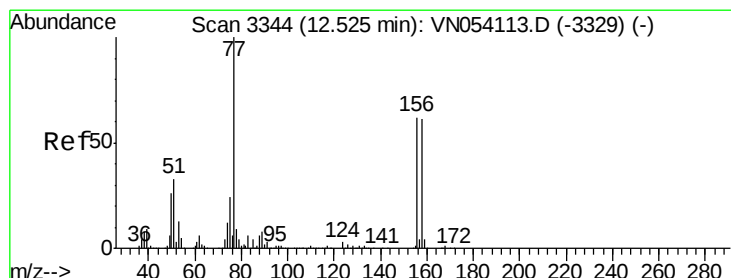
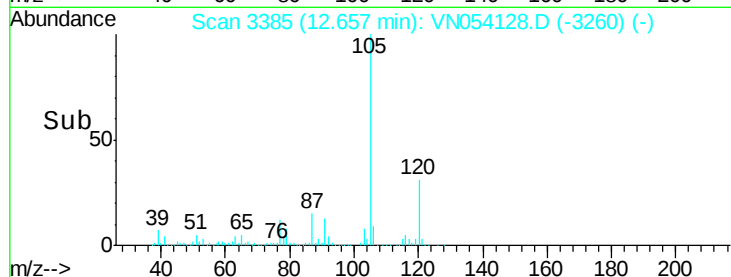
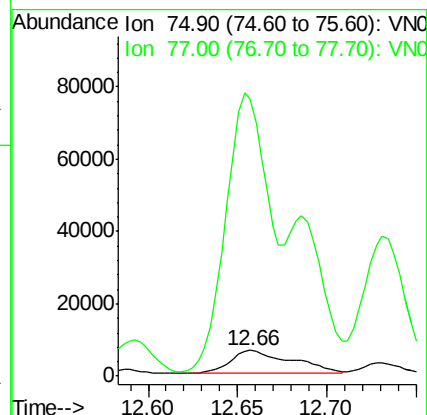
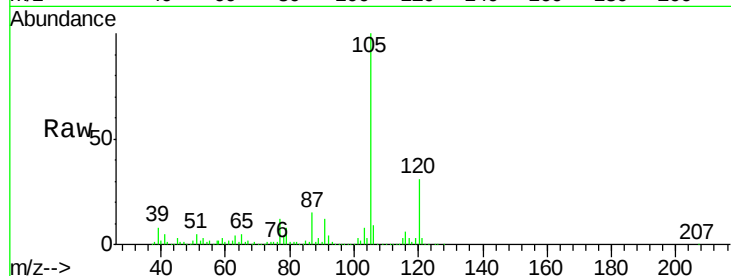
COMP-2

Tgt Ion: 75 Resp: 14870

Ion Ratio Lower Upper

75 100

77 904.8 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

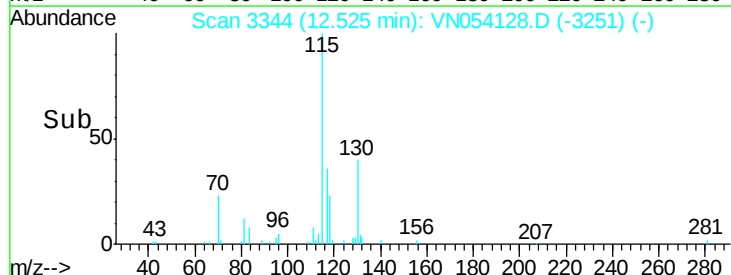
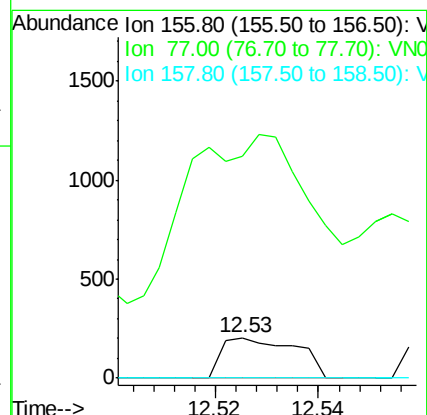
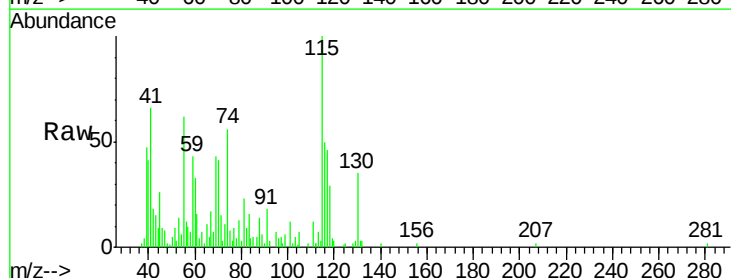
Tgt Ion: 156 Resp: 203

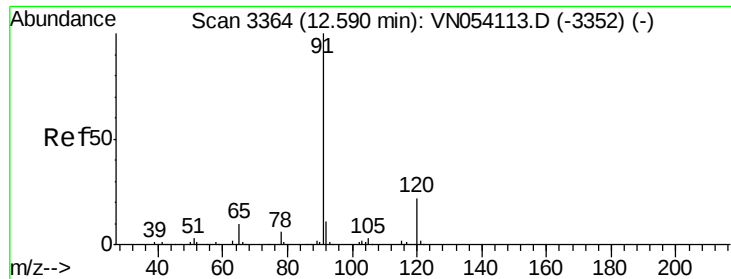
Ion Ratio Lower Upper

156 100

77 0.0 93.6 280.8#

158 0.0 48.4 145.0#

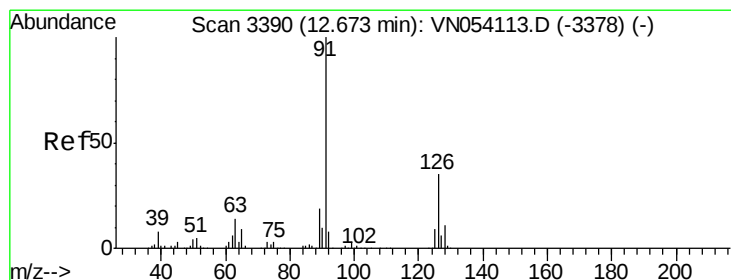
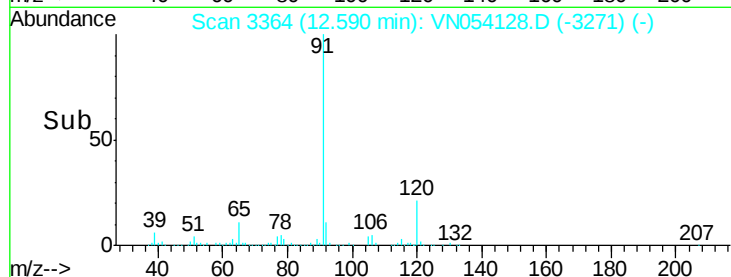
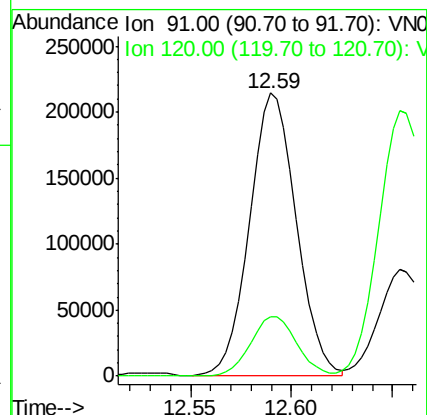
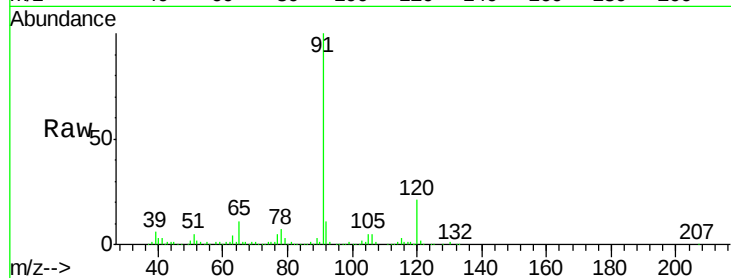




#78
n-propylbenzene
Concen: 7.660 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

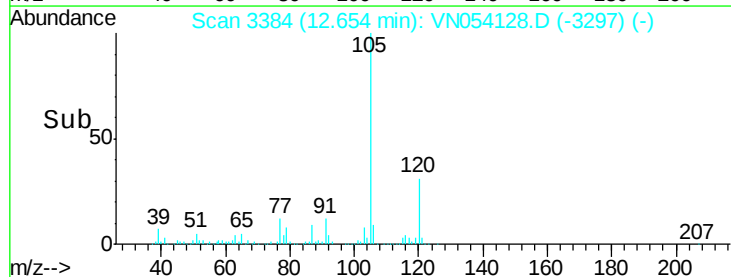
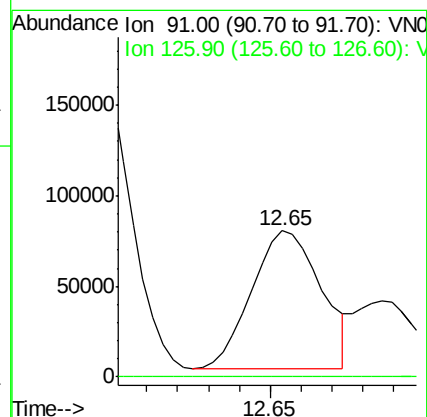
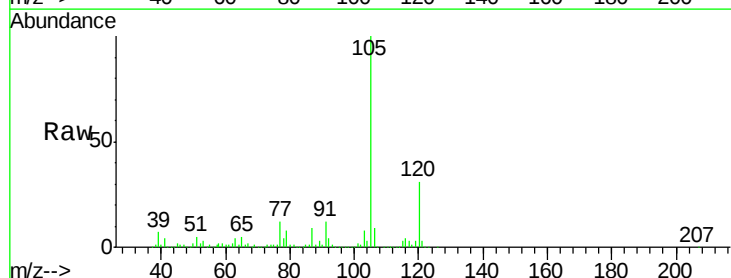
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

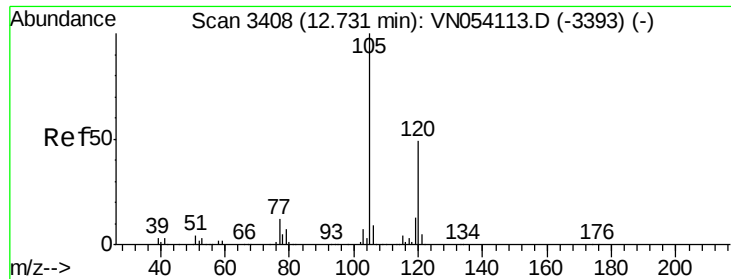
Tgt Ion: 91 Resp: 345474
Ion Ratio Lower Upper
91 100
120 21.2 11.3 33.9



#79
2-Chlorotoluene
Concen: 4.356 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion: 91 Resp: 119317
Ion Ratio Lower Upper
91 100
126 0.4 17.4 52.2#

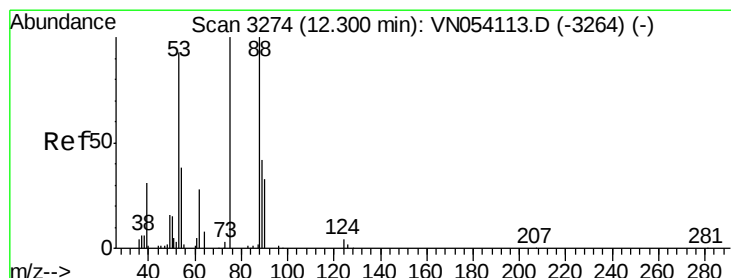
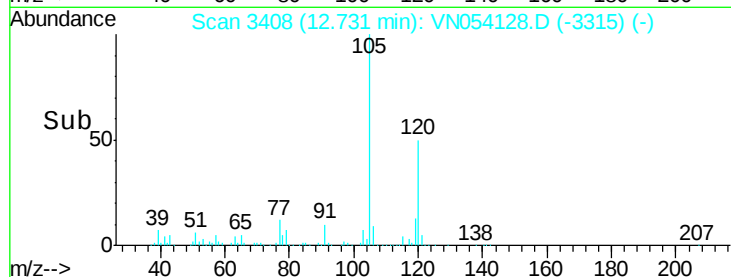
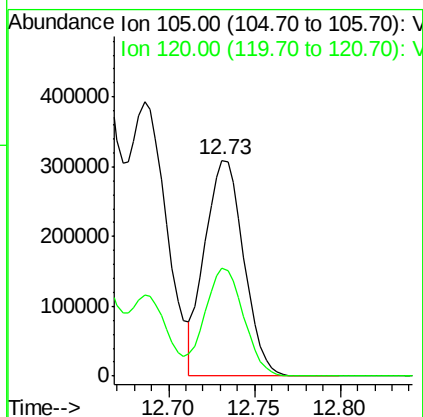
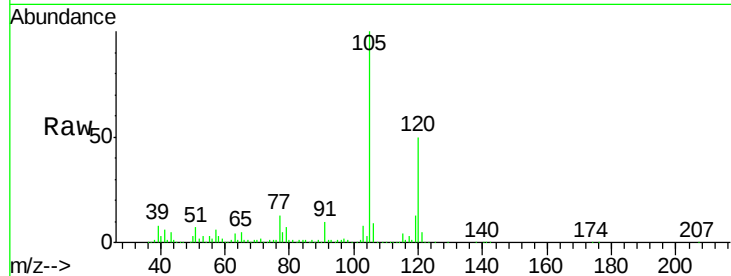




#80
 1,3,5-Trimethylbenzene
 Concen: 14.995 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

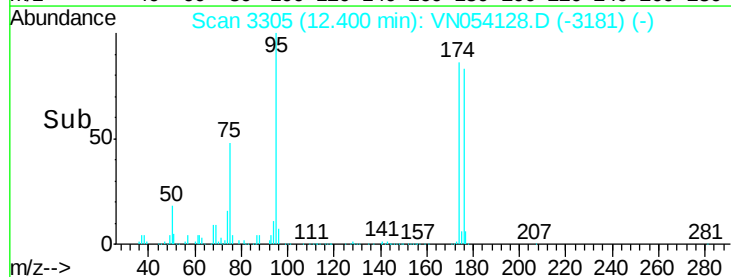
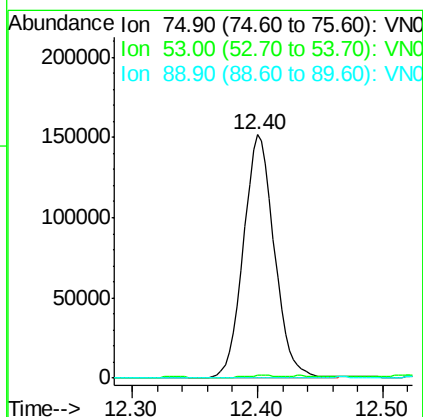
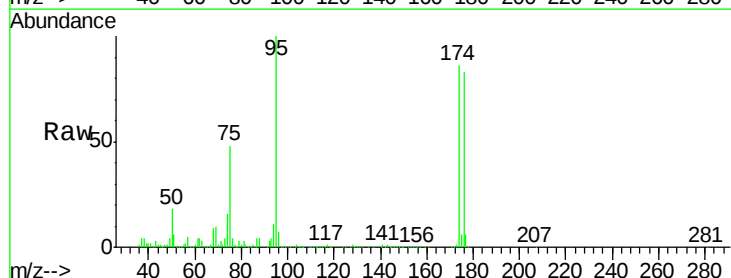
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

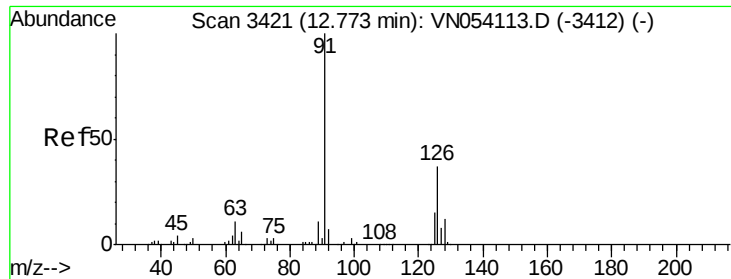
Tgt Ion: 105 Resp: 488557
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.193 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

Tgt Ion: 75 Resp: 260451
 Ion Ratio Lower Upper
 75 100
 53 0.9 76.4 114.6#
 89 0.0 35.3 52.9#





#82

4-Chlorotoluene

Concen: 1.863 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

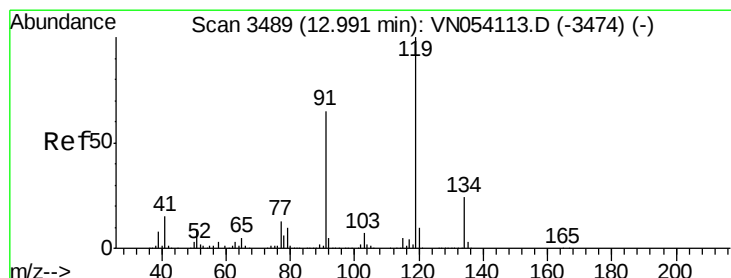
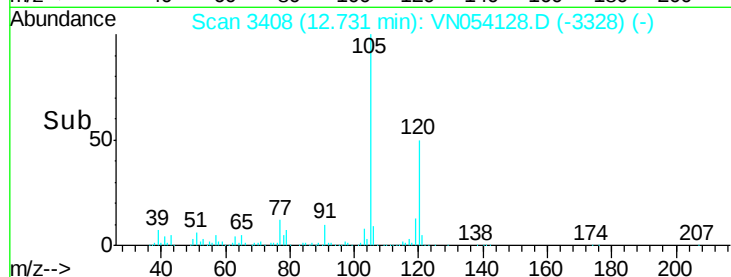
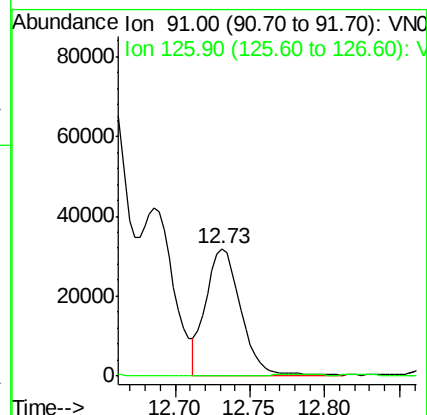
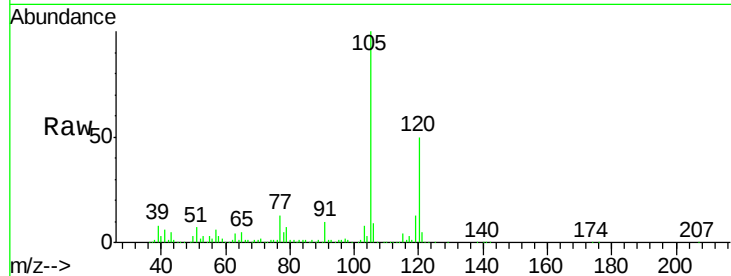
COMP-2

Tgt Ion: 91 Resp: 50859

Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.3#



#83

tert-Butylbenzene

Concen: 1.003 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. 0.24 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

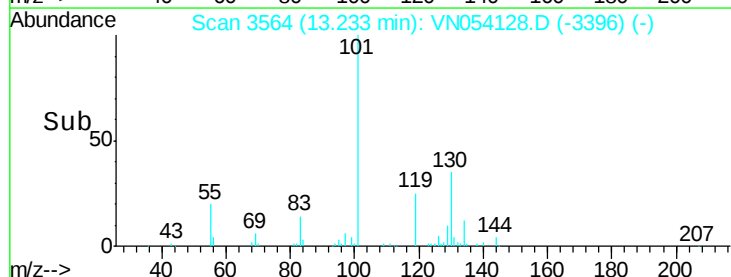
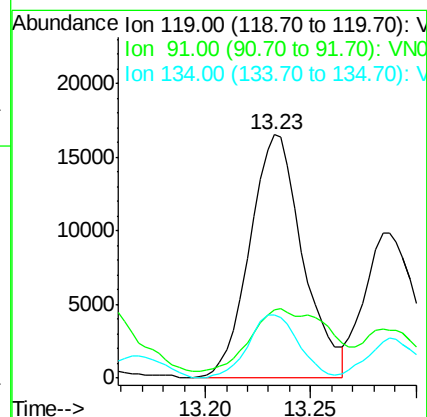
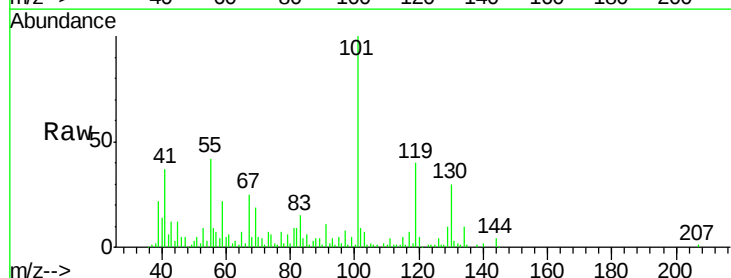
Tgt Ion: 119 Resp: 28948

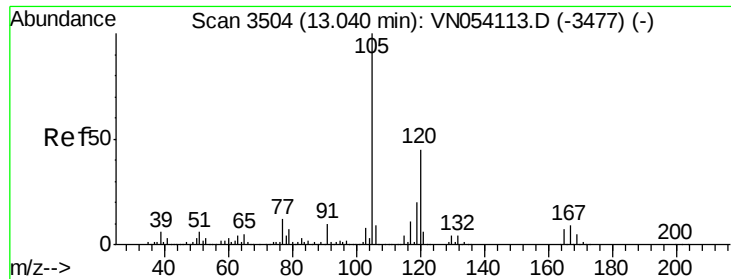
Ion Ratio Lower Upper

119 100

91 37.5 31.8 95.3

134 24.7 12.8 38.3

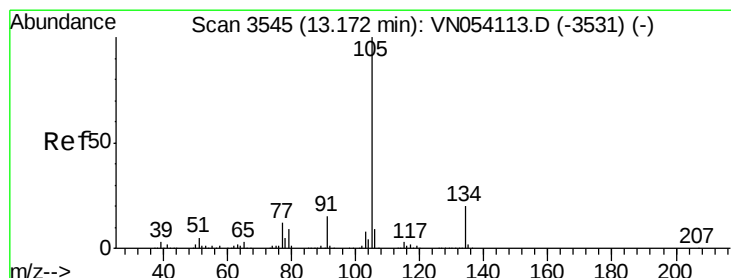
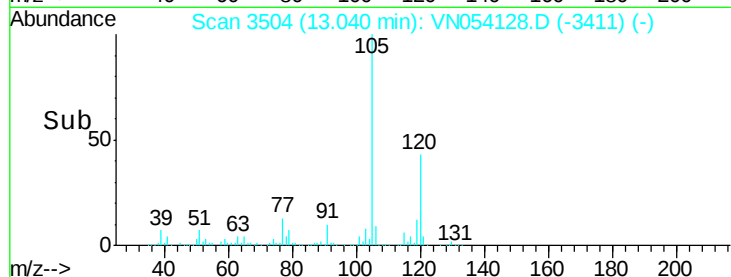
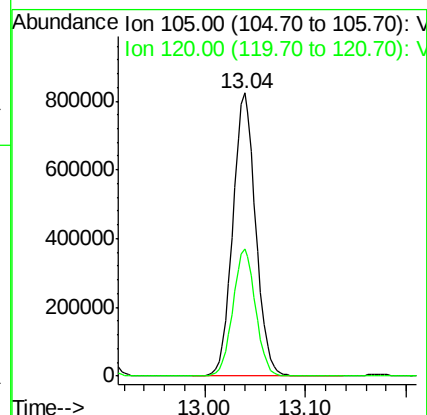
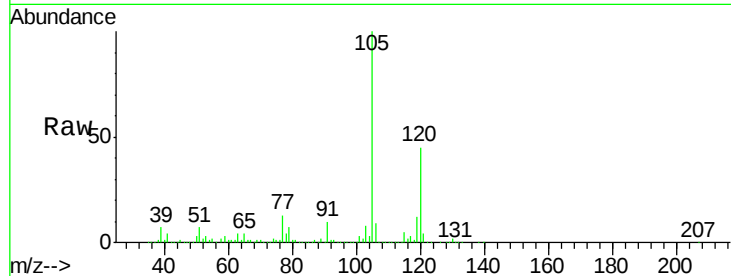




#84
 1,2,4-Trimethylbenzene
 Concen: 40.231 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

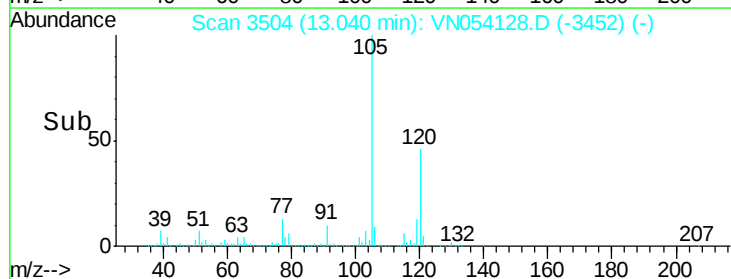
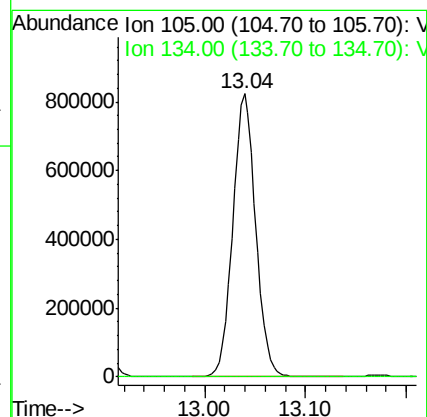
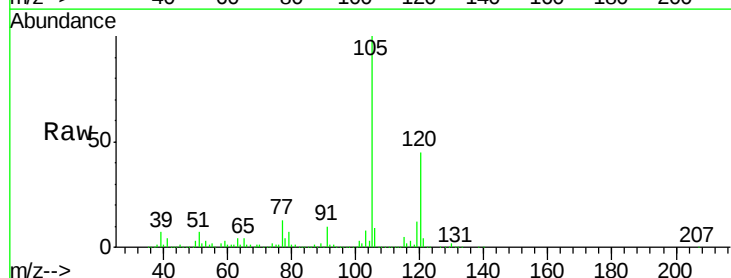
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

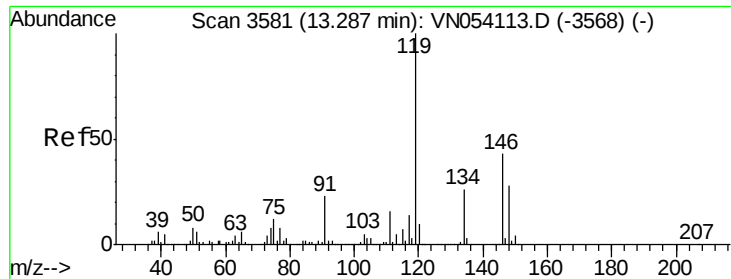
Tgt Ion:105 Resp: 1300955
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 33.225 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

Tgt Ion:105 Resp: 1300955
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#

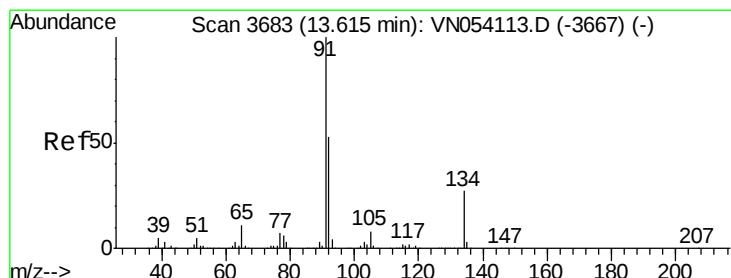
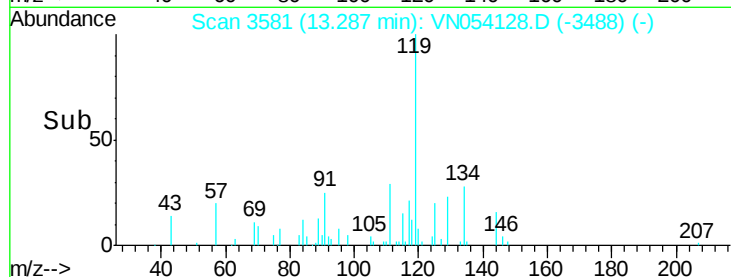
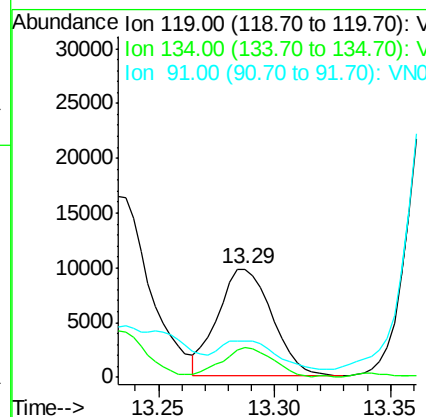
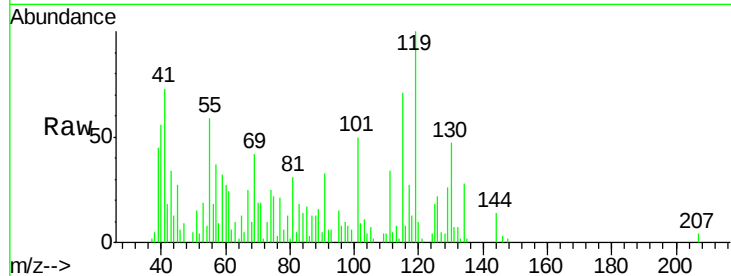




#86
 p-Isopropyltoluene
 Concen: 0.481 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

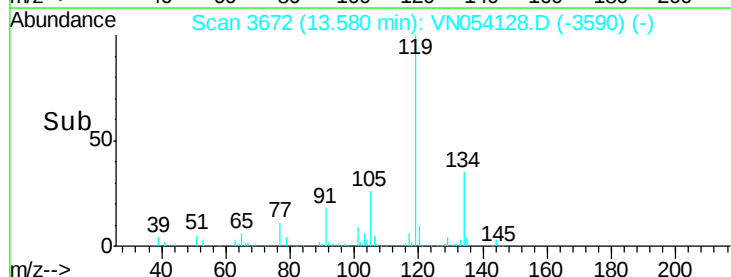
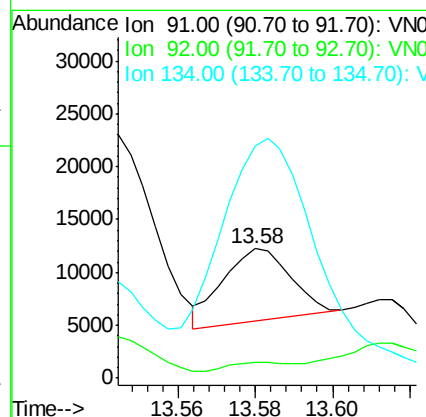
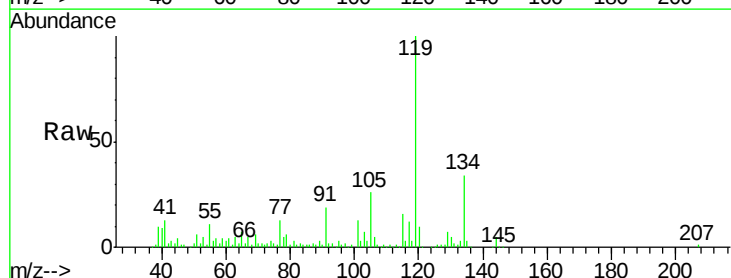
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-2

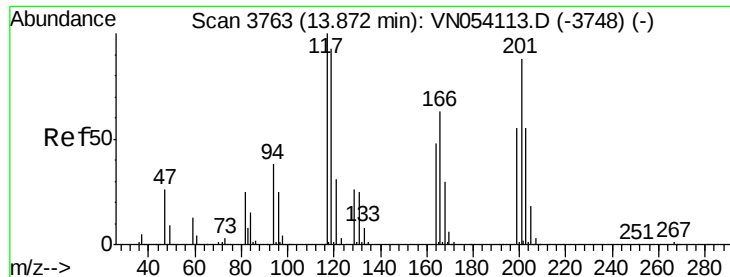
Tgt Ion: 119 Resp: 15848
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 27.4 11.4 34.2



#89
 n-Butylbenzene
 Concen: 0.305 ug/l
 RT: 13.58 min Scan# 3672
 Delta R.T. -0.04 min
 Lab File: VN054128.D
 Acq: 6 Mar 2019 20:25

Tgt Ion: 91 Resp: 8485
 Ion Ratio Lower Upper
 91 100
 92 17.0 26.0 78.0#
 134 496.4 13.1 39.1#





#90

Hexachloroethane

Concen: 1.560 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

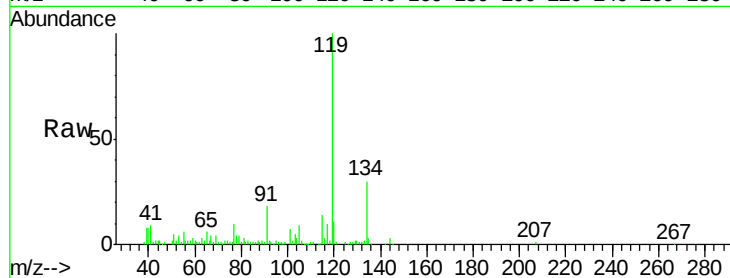
COMP-2

Tgt Ion:117 Resp: 9850

Ion Ratio Lower Upper

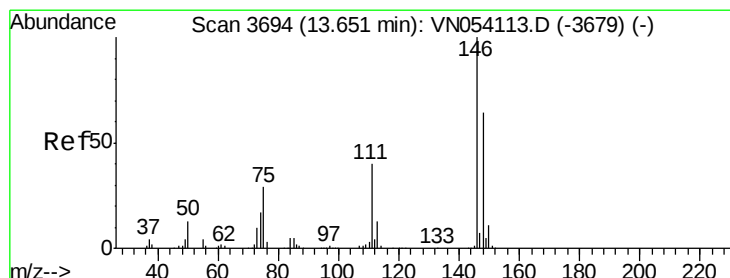
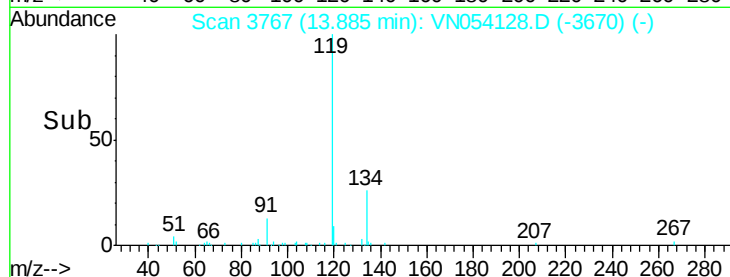
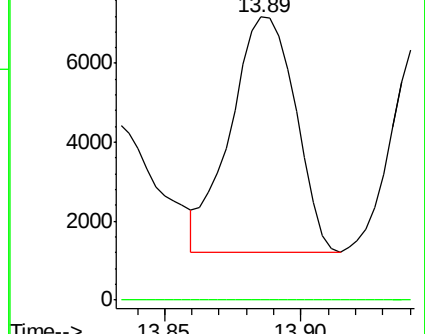
117 100

201 0.0 44.9 134.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

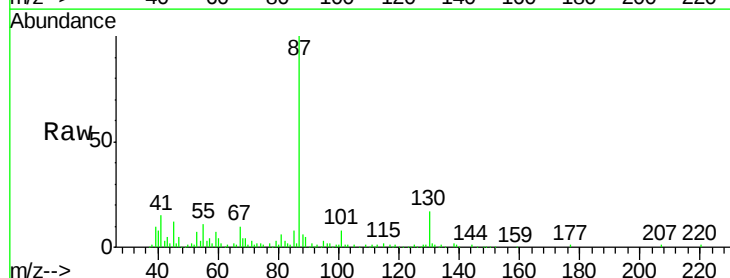
Tgt Ion:146 Resp: 603

Ion Ratio Lower Upper

146 100

111 24.4 20.0 60.0

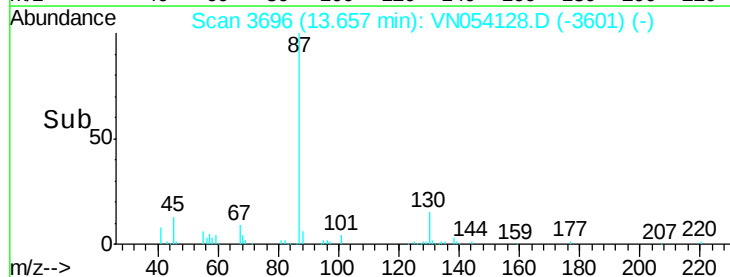
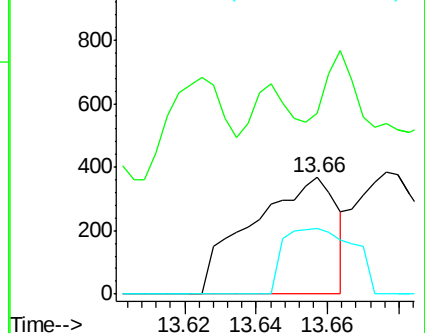
148 46.6 32.3 96.9

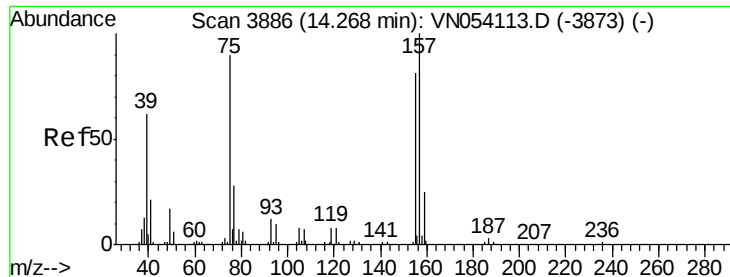


Abundance Ion 145.90 (145.60 to 146.60): V

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: 1.160 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.02 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

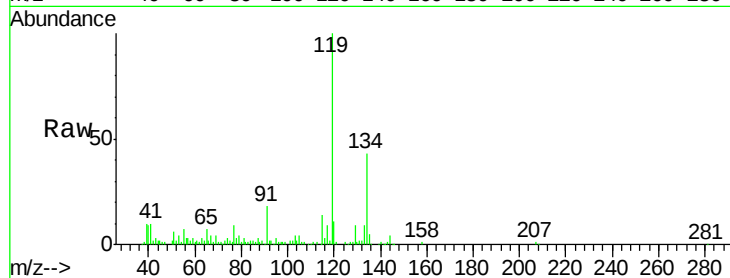
Tgt Ion: 75 Resp: 1697

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.5#

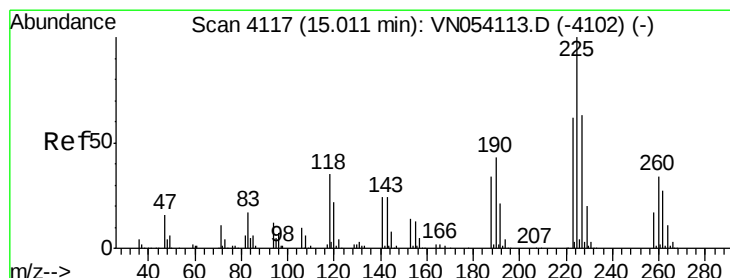
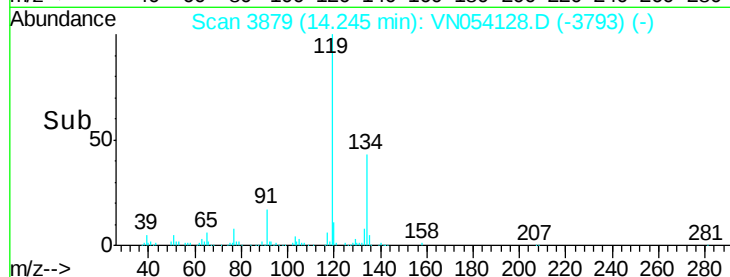
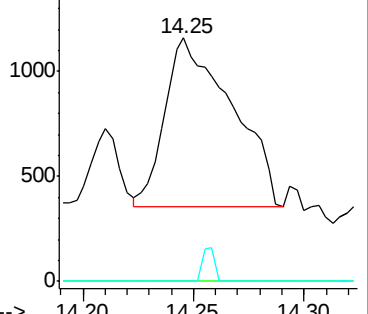
157 3.6 57.2 171.6#



Abundance Ion 74.90 (74.60 to 75.60): VN054113.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN054113.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN054113.D (-3873) (-)



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN054128.D

Acq: 6 Mar 2019 20:25

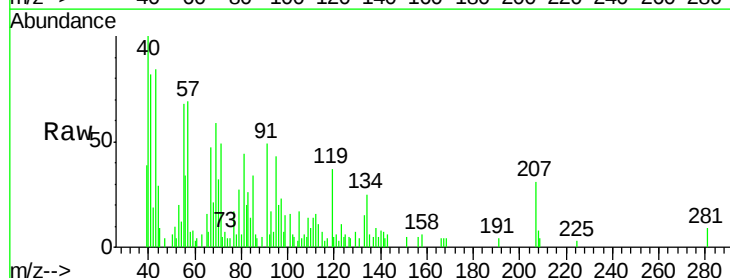
Tgt Ion: 225 Resp: 65

Ion Ratio Lower Upper

225 100

223 0.0 31.2 93.6#

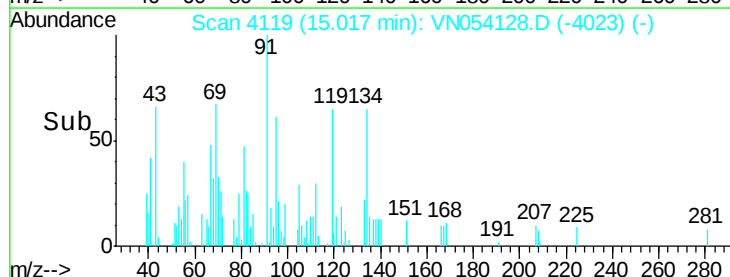
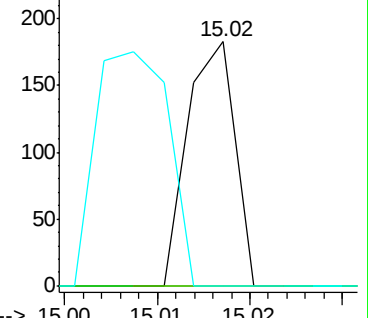
227 147.7 31.9 95.7#

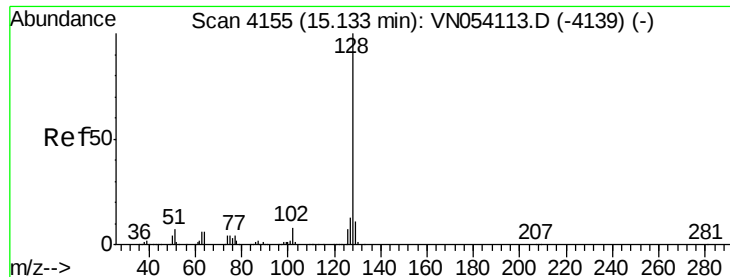


Abundance Ion 224.70 (224.40 to 225.40): VN054113.D (-4102) (-)

Ion 222.70 (222.40 to 223.40): VN054113.D (-4102) (-)

Ion 226.70 (226.40 to 227.40): VN054113.D (-4102) (-)

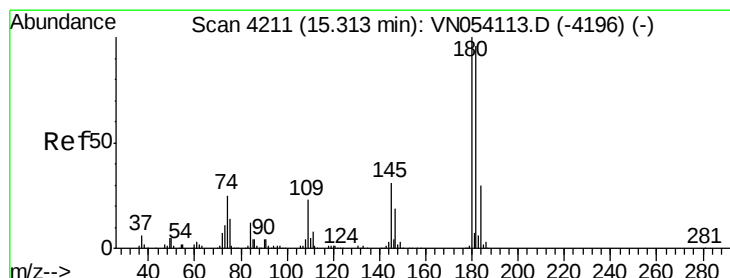
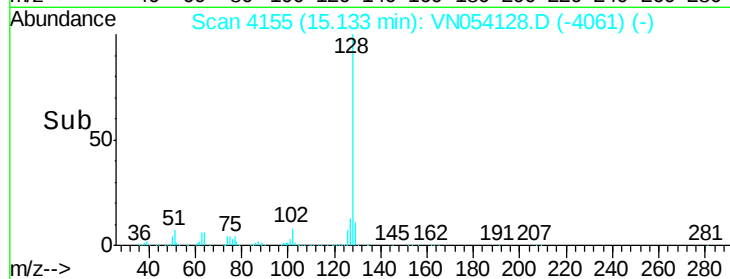
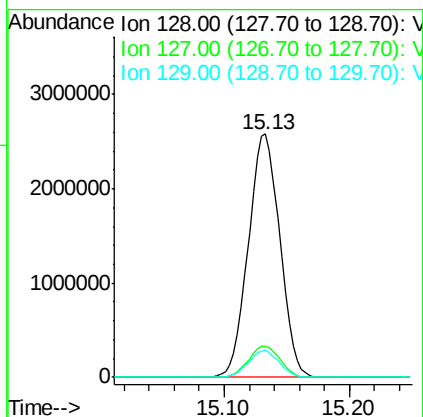
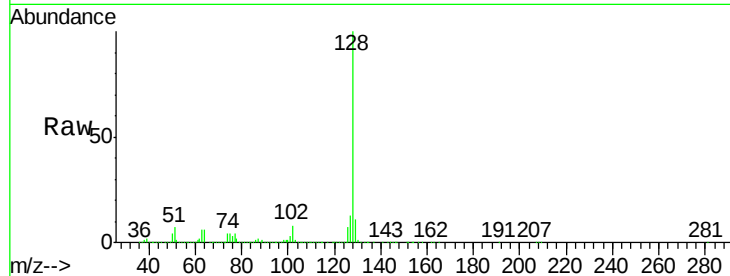




#95
Naphthalene
Concen: 220.756 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tgt Ion:128 Resp: 4511355
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.479 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.01 min
Lab File: VN054128.D
Acq: 6 Mar 2019 20:25

Tgt Ion:180 Resp: 516
Ion Ratio Lower Upper
180 100
182 193.2 47.9 143.7#
145 250.2 14.9 44.5#

