

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055189.D
 Acq On : 22 Apr 2019 18:35
 Operator : JC/SP
 Sample : K2515-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Quant Time: Apr 23 06:03:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	370179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	636921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173572	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	255248	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.59	113	210730	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.09	98	787962	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	242191	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	293	1.002	ug/l #	71
13) Acrolein	3.62	56	203	9.954	ug/l #	14
14) Allyl chloride	4.56	41	20433	2.714	ug/l #	28
16) Acetone	3.82	43	12850	7.758	ug/l	96
17) Carbon Disulfide	4.06	76	8705	0.818	ug/l	100
18) Methyl Acetate	4.34	43	5880	0.537	ug/l #	70
20) Methylene Chloride	4.55	84	434888	91.329	ug/l	99
25) 2-Butanone	6.85	43	4361	2.039	ug/l	96
29) Tetrahydrofuran	7.20	42	422	0.321	ug/l #	67
30) Chloroform	7.37	83	5012	0.653	ug/l	96
31) Cyclohexane	7.67	56	8059	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	28051	4.745	ug/l #	49
38) Carbon Tetrachloride	7.67	117	35653	6.440	ug/l #	16
43) Isopropyl Acetate	8.18	43	23826	3.084	ug/l #	81
45) 1,2-Dichloropropane	9.27	63	1499	0.291	ug/l #	45
47) Bromodichloromethane	9.40	83	1752	0.297	ug/l #	78
48) Methyl methacrylate	9.18	41	9186	2.451	ug/l #	15
49) 1,4-Dioxane	9.27	88	63	1.456	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	5131	1.154	ug/l	90
54) cis-1,3-Dichloropropene	9.90	75	60990	9.072	ug/l #	67
57) 1,3-Dichloropropane	10.76	76	10693	1.558	ug/l #	43
59) 2-Hexanone	10.76	43	182427	64.966	ug/l #	56
68) m/p-Xylenes	11.62	106	2200	0.295	ug/l	86
71) Bromoform	12.40	173	1765	0.683	ug/l #	1
73) Isopropylbenzene	12.25	105	1644	Below Cal		76
75) 1,1,2,2-Tetrachloroethane	12.50	83	109	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	125019	35.504	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6021	0.463	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	125019	134.588	ug/l #	5
83) tert-Butylbenzene	12.99	119	875	Below Cal	#	89
84) 1,2,4-Trimethylbenzene	13.04	105	5875	0.479	ug/l	88
89) n-Butylbenzene	13.62	91	2522	0.281	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	1253	3.202	ug/l	77
94) Hexachlorobutadiene	15.01	225	690	Below Cal	#	43

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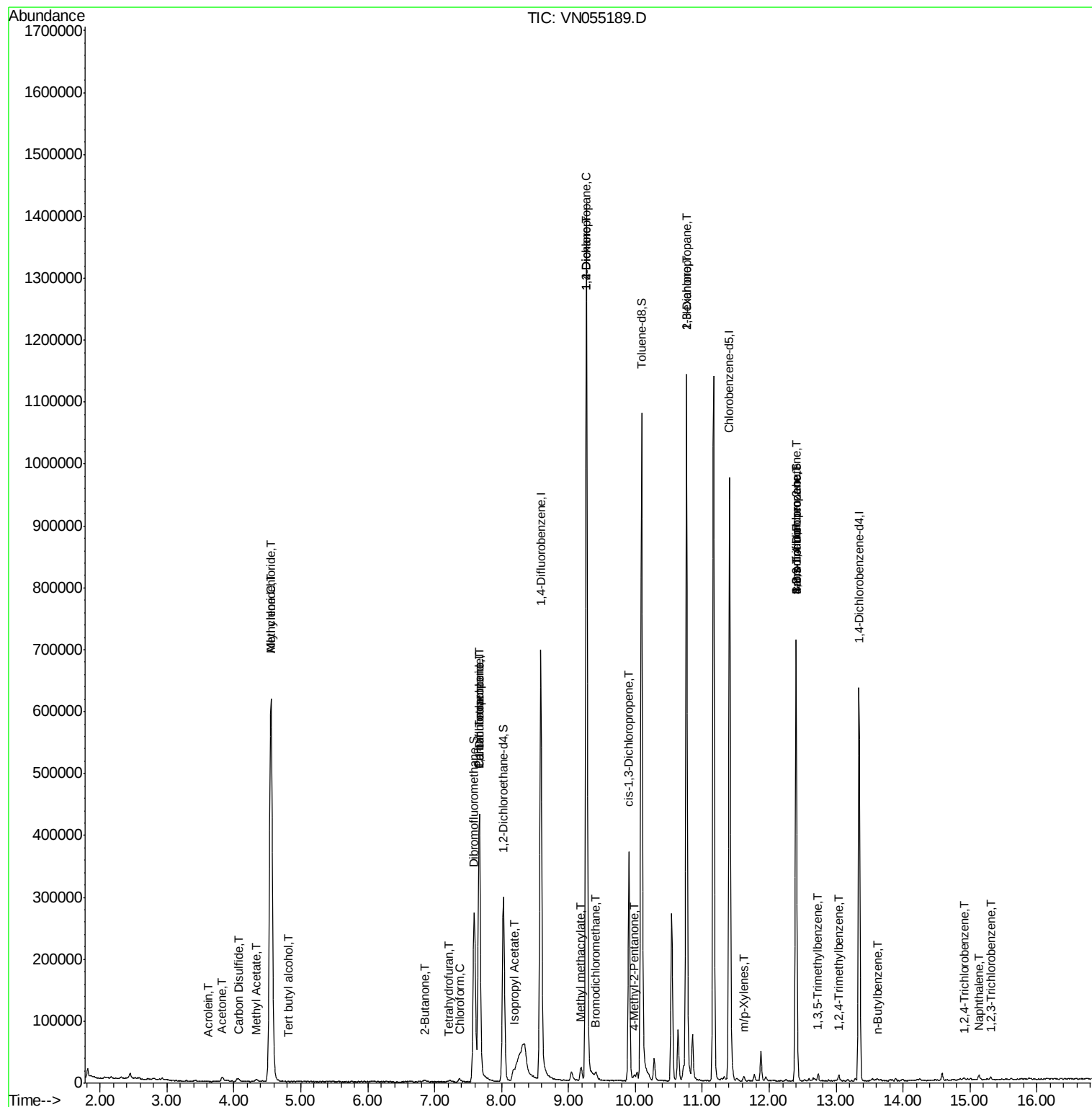
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	6144	4.417	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.32	180	1505	2.692	ug/l	85

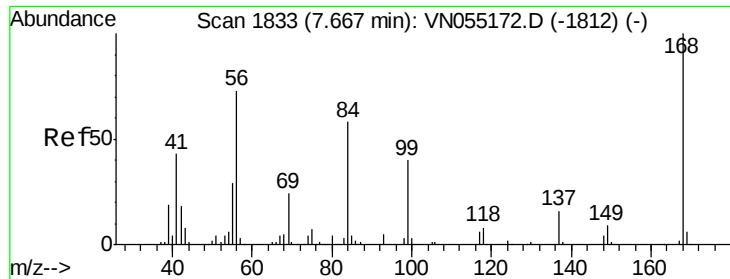
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

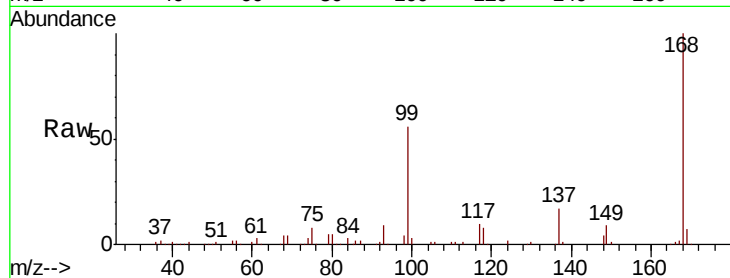
TP-13

Tot Ion:168 Resp: 370179

Ion Ratio Lower Upper

168 100

99 55.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

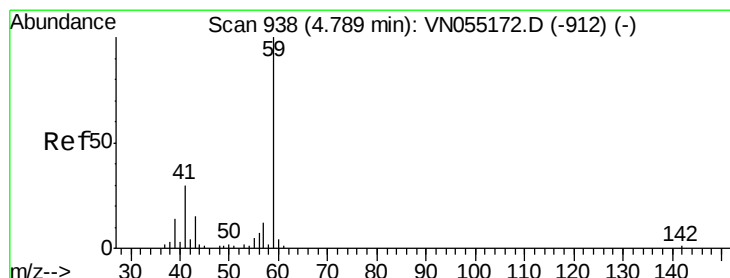
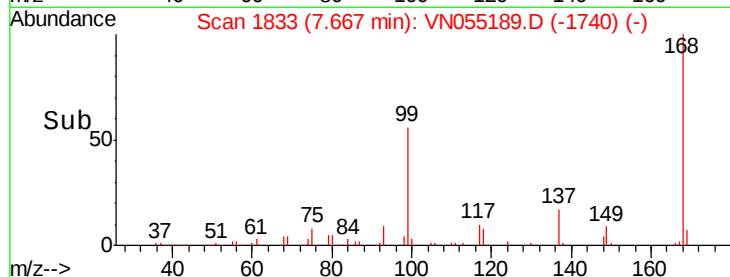
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.002 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN055189.D

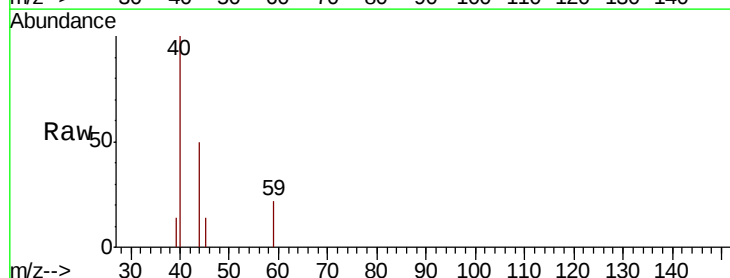
Acq: 22 Apr 2019 18:35

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.80

300

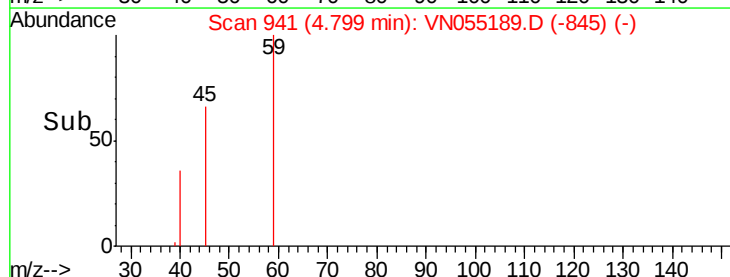
200

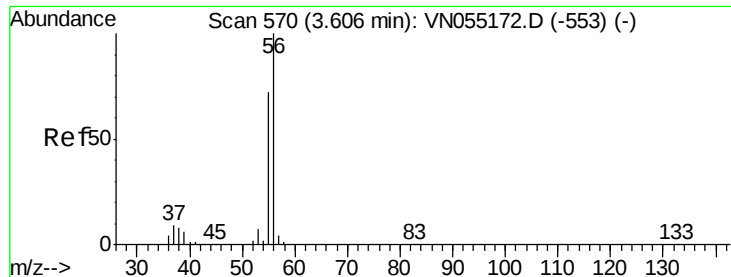
100

0

Time-->

4.78 4.80 4.82





#13

Acrolein

Concen: 9.954 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

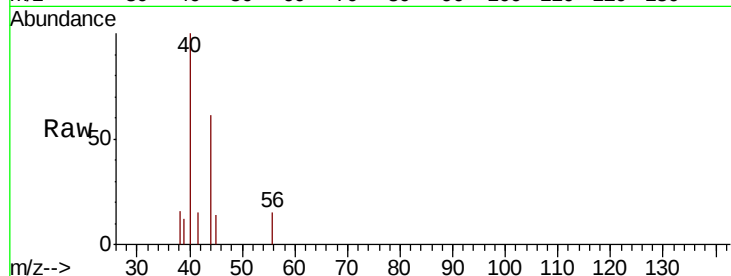
TP-13

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

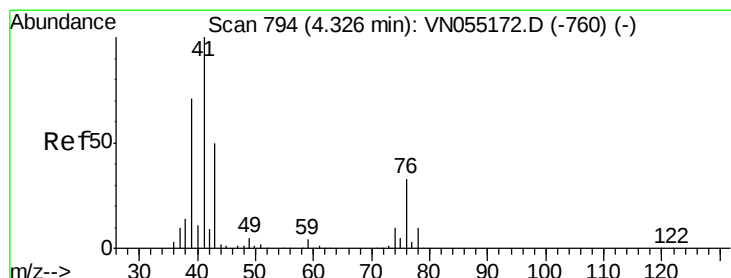
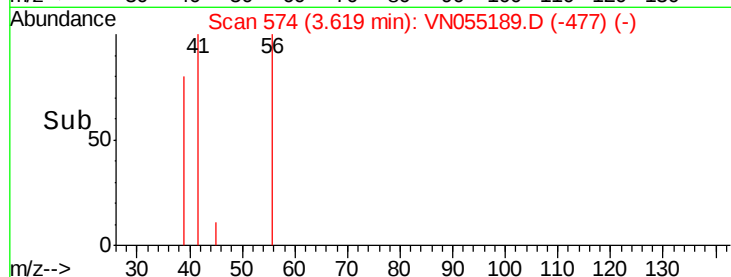
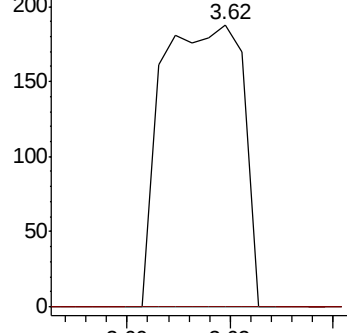
56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 2.714 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.23 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

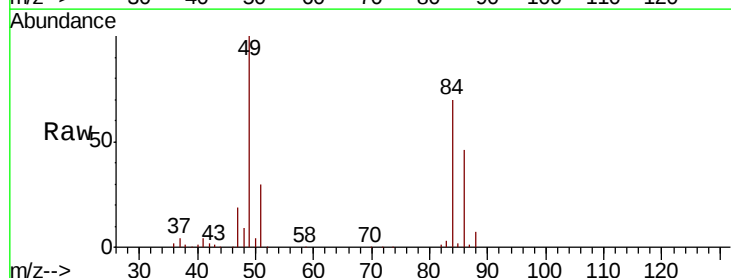
Tgt Ion: 41 Resp: 20433

Ion Ratio Lower Upper

41 100

39 2.5 52.9 79.3#

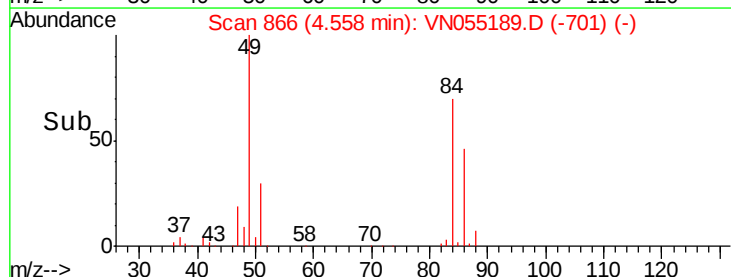
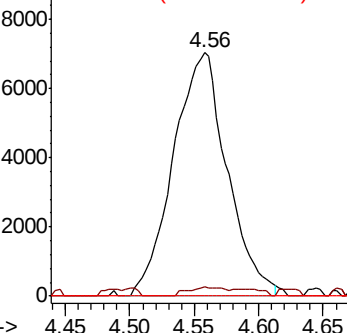
76 0.0 23.6 35.4#

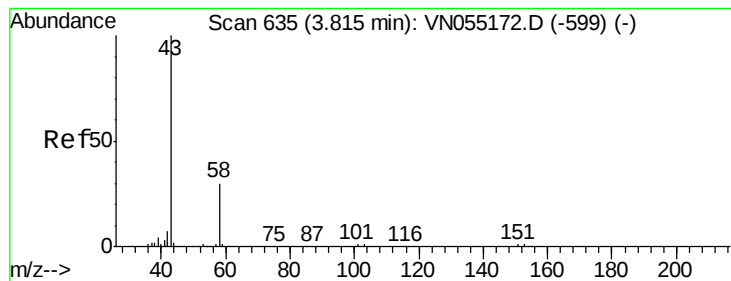


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 7.758 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

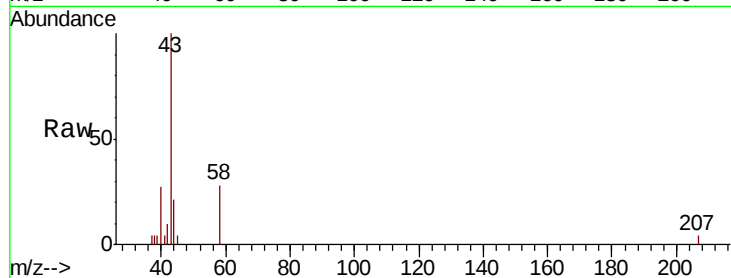
TP-13

Tot Ion: 43 Resp: 12850

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

4000

3000

2000

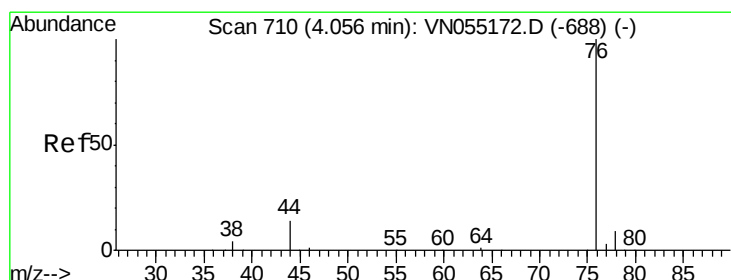
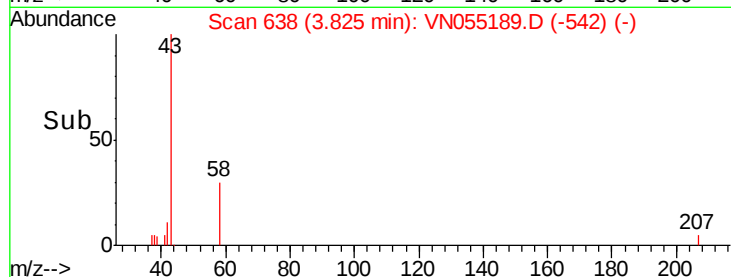
1000

0

Time-->

3.80

3.90



#17

Carbon Disulfide

Concen: 0.818 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN055189.D

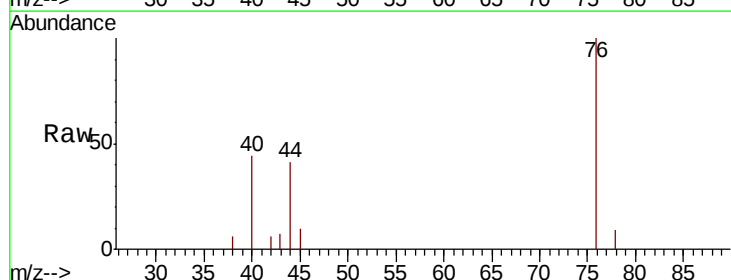
Acq: 22 Apr 2019 18:35

Tgt Ion: 76 Resp: 8705

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

3000

2000

1000

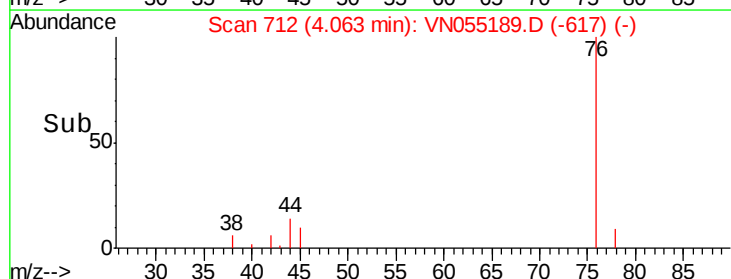
0

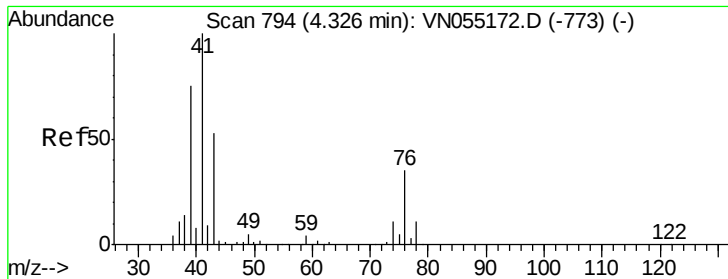
Time-->

4.00

4.05

4.10

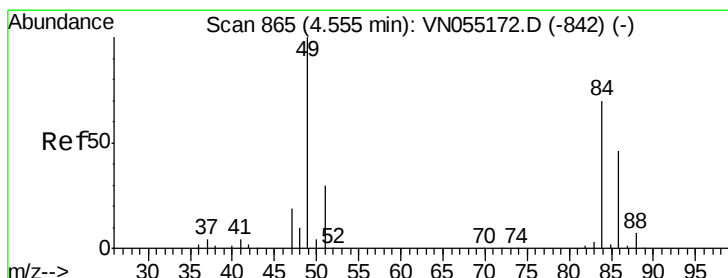
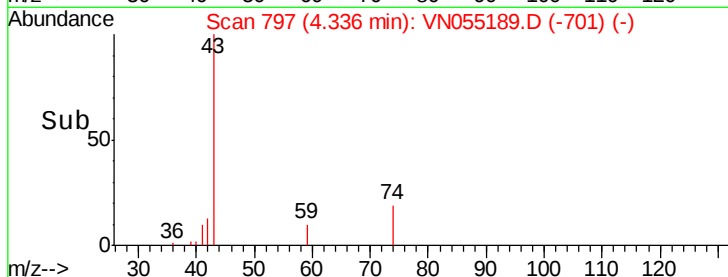
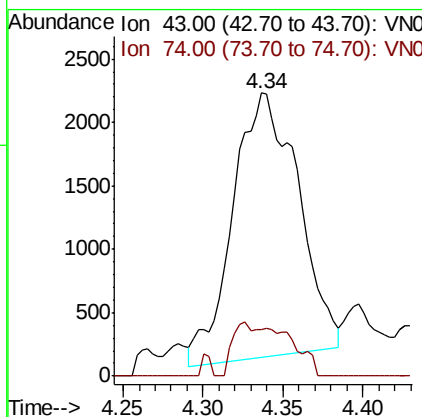
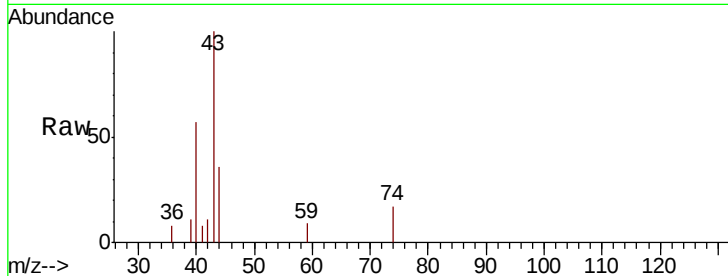




#18
Methyl Acetate
Concen: 0.537 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

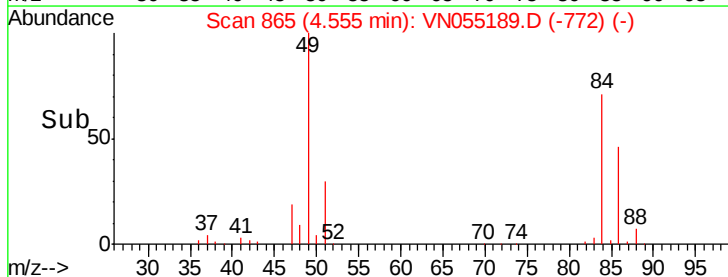
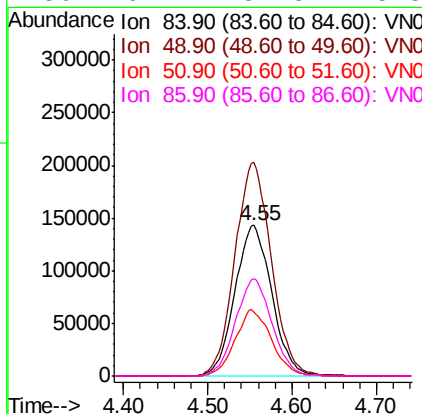
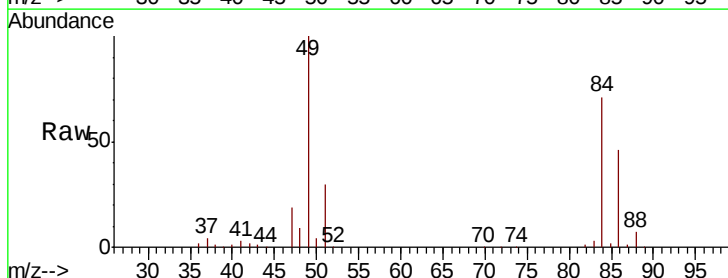
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ClientSampled :
TP-13

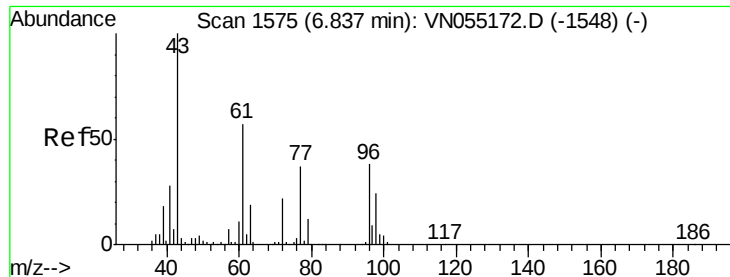
Tot Ion: 43 Resp: 5880
Ion Ratio Lower Upper
43 100
74 6.9 16.7 25.1#



#20
Methylene Chloride
Concen: 91.329 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion: 84 Resp: 434888
Ion Ratio Lower Upper
84 100
49 141.8 113.8 170.6
51 42.9 34.0 51.0
86 64.7 52.3 78.5





#25

2-Butanone

Concen: 2.039 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

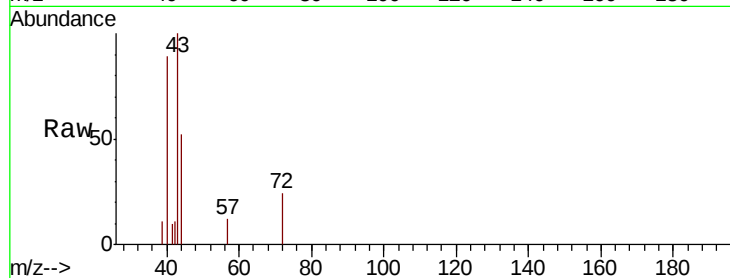
TP-13

Tot Ion: 43 Resp: 4361

Ion Ratio Lower Upper

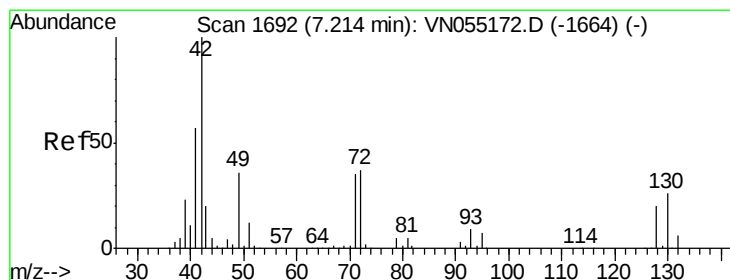
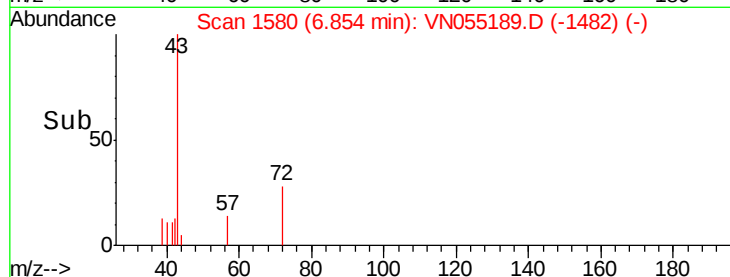
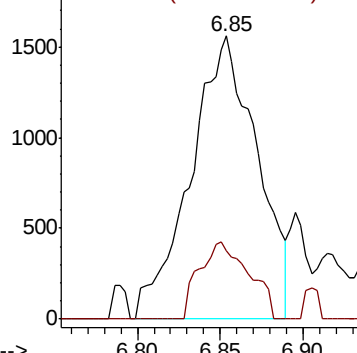
43 100

72 24.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.321 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

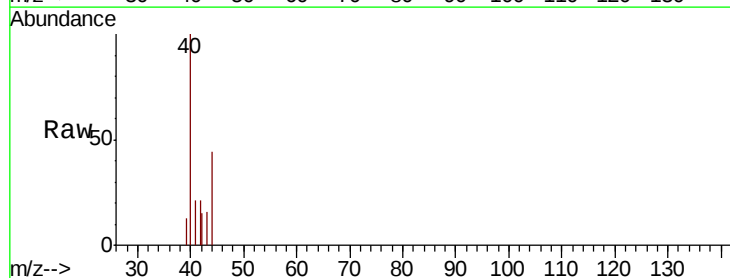
Tgt Ion: 42 Resp: 422

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.2#

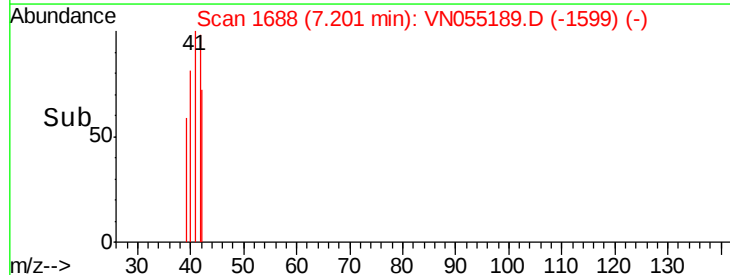
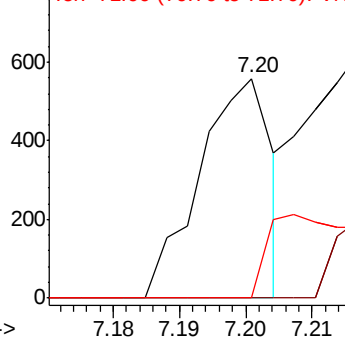
71 36.0 27.8 41.8

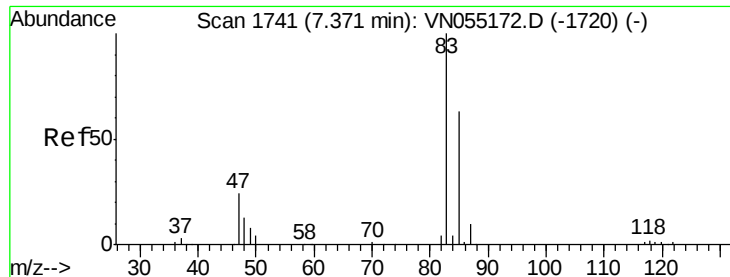


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

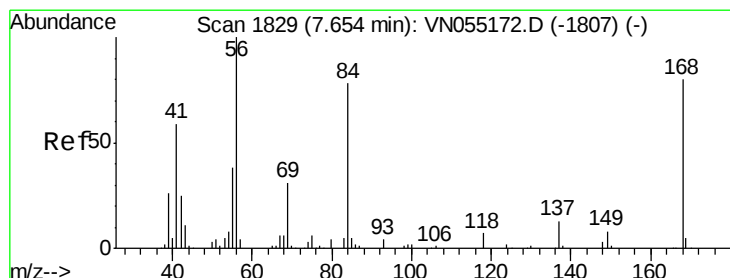
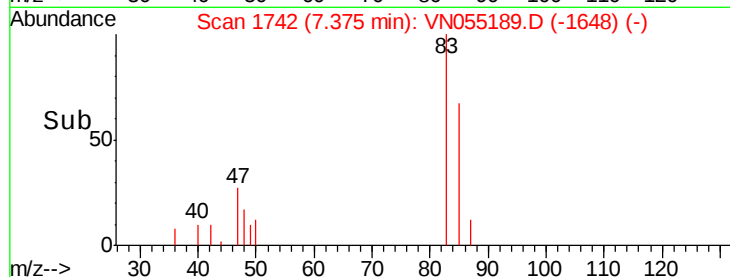
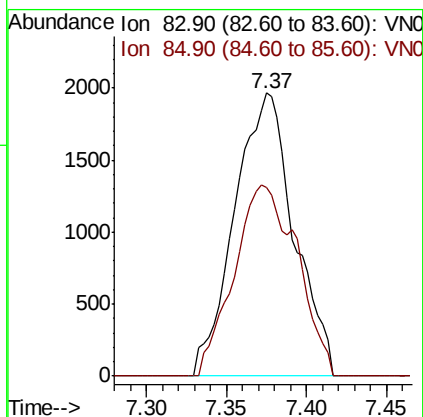
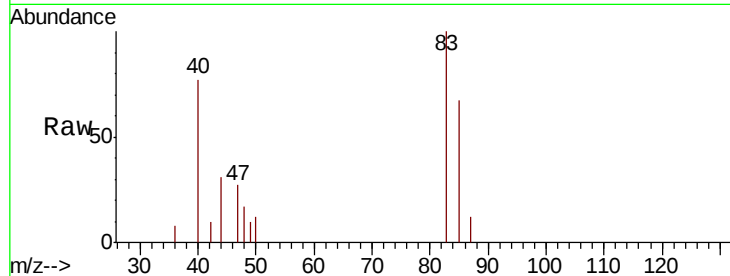




#30
Chloroform
Concen: 0.653 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

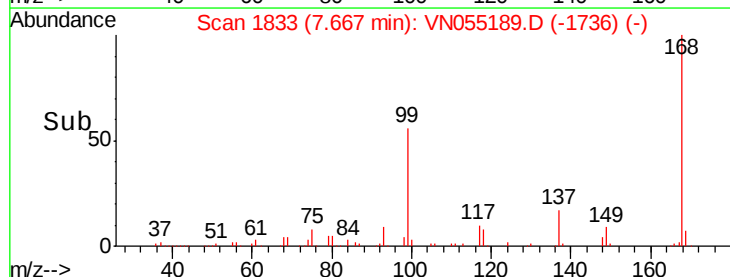
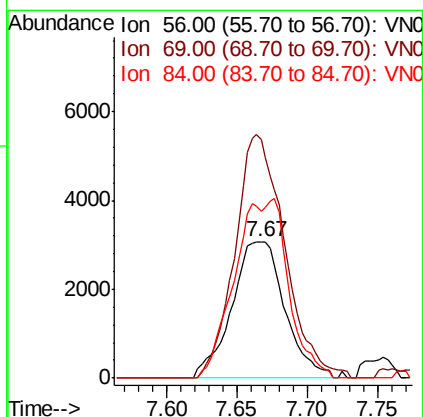
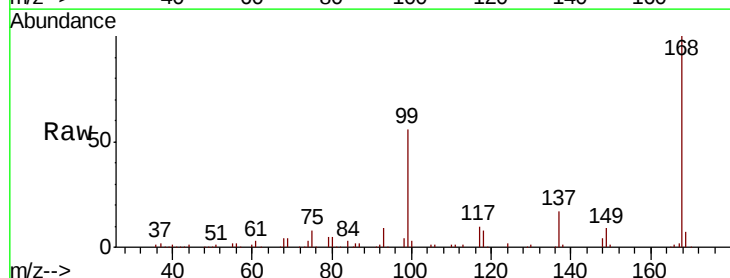
Instrument :
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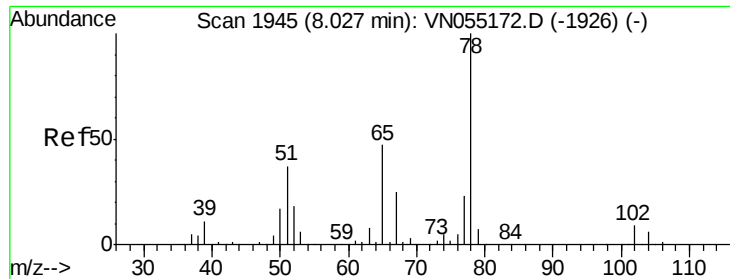
Tot Ion: 83 Resp: 5012
Ion Ratio Lower Upper
83 100
85 66.7 50.6 76.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion: 56 Resp: 8059
Ion Ratio Lower Upper
56 100
69 174.6 24.6 37.0#
84 122.7 61.4 92.2#

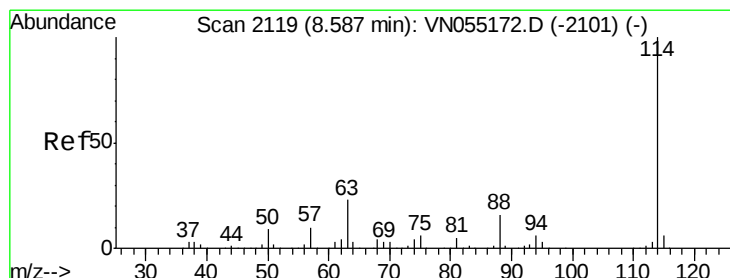
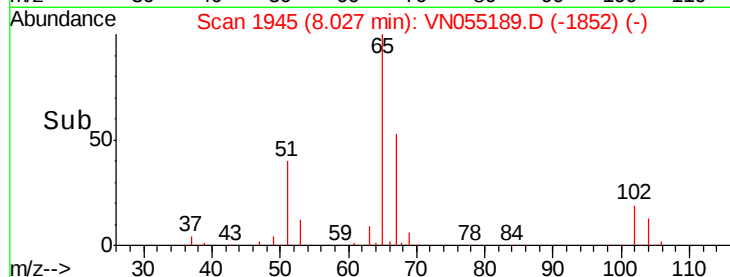
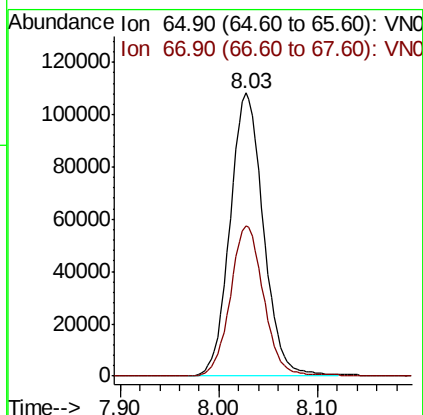
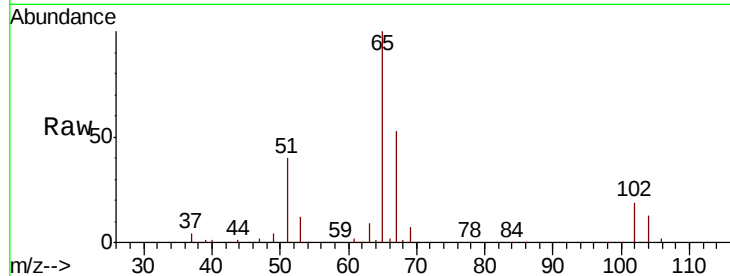




#33
 1,2-Dichloroethane-d4
 Concen: 50.943 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

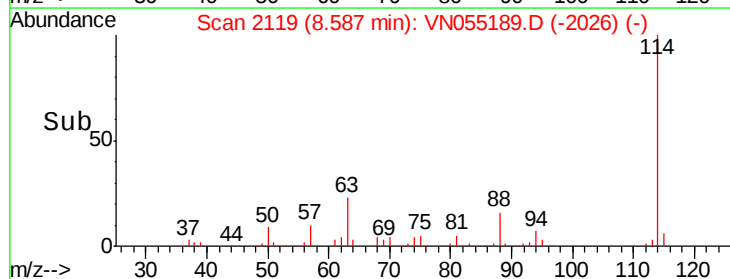
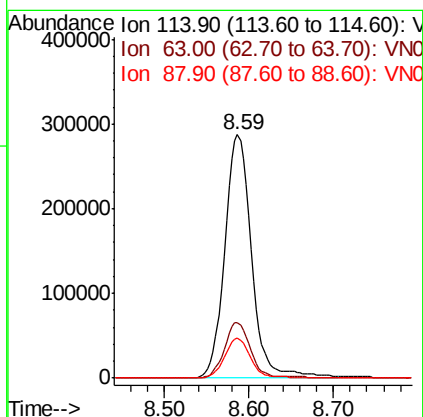
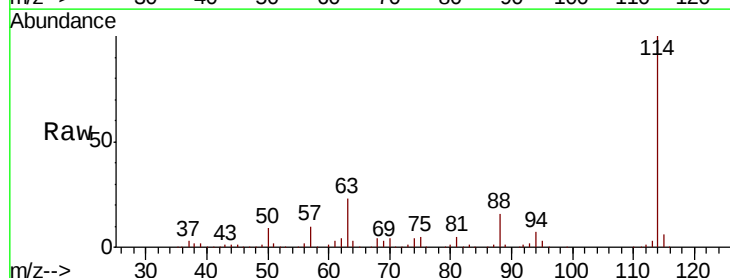
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

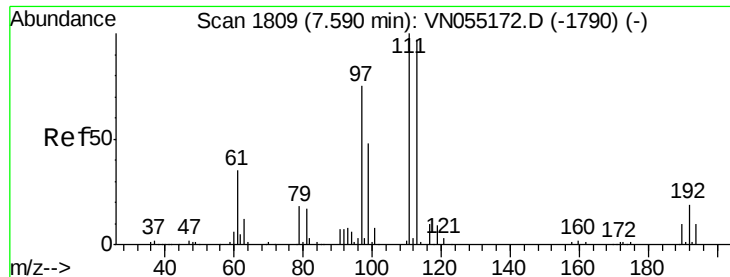
Tot Ion: 65 Resp: 255248
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion: 114 Resp: 636921
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 16.3 0.0 32.8

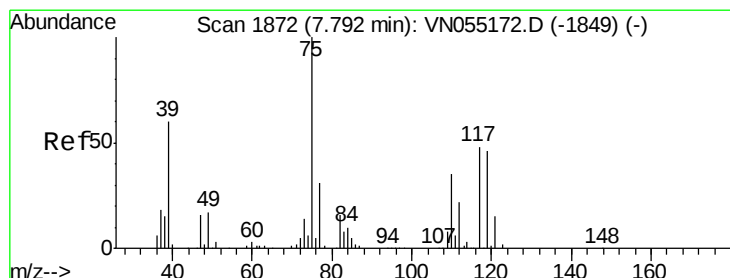
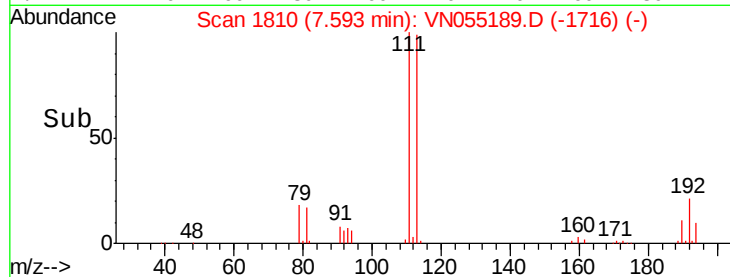
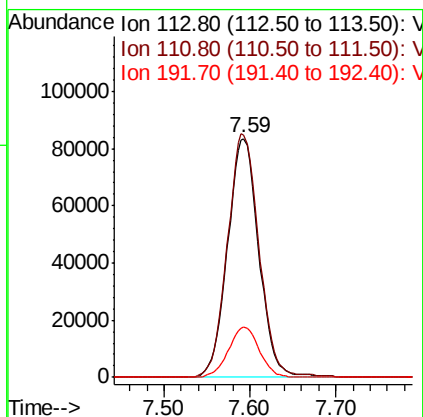
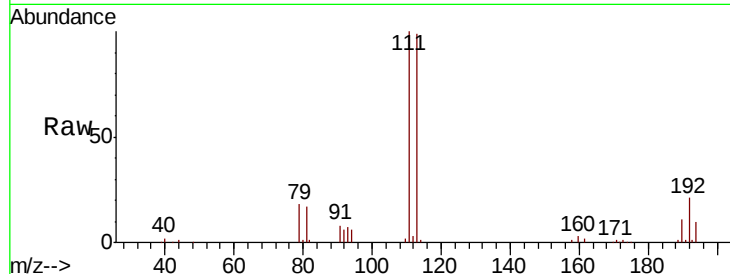




#35
Dibromofluoromethane
Concen: 48.702 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

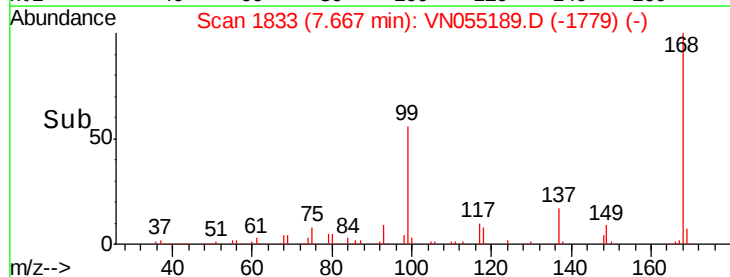
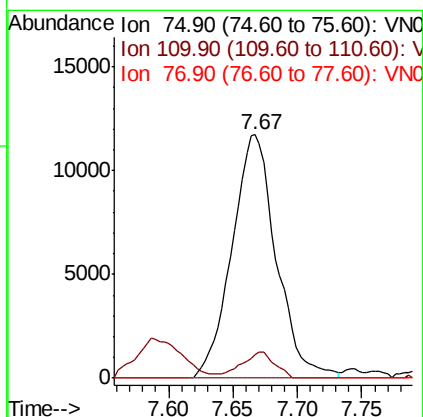
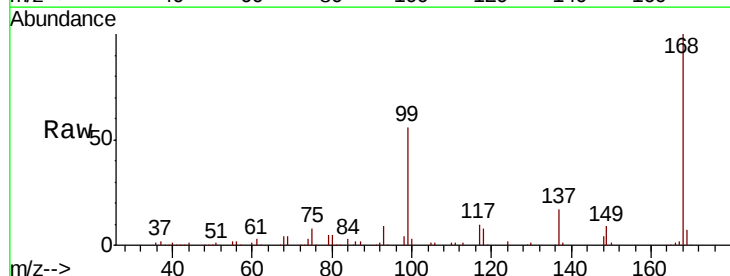
Instrument :
MSVOA_N
ClientSampled :
TP-13

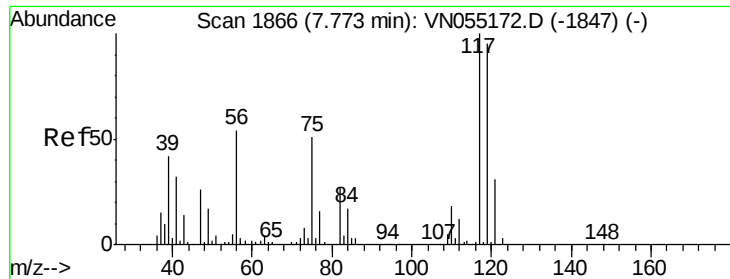
Tot Ion:113 Resp: 210730
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.4
192 20.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion: 75 Resp: 28051
Ion Ratio Lower Upper
75 100
110 7.8 17.1 51.2#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

TP-13

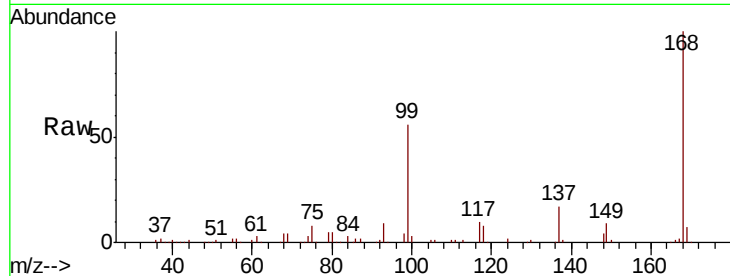
Tot Ion:117 Resp: 35653

Ion Ratio Lower Upper

117 100

119 4.5 76.0 114.0#

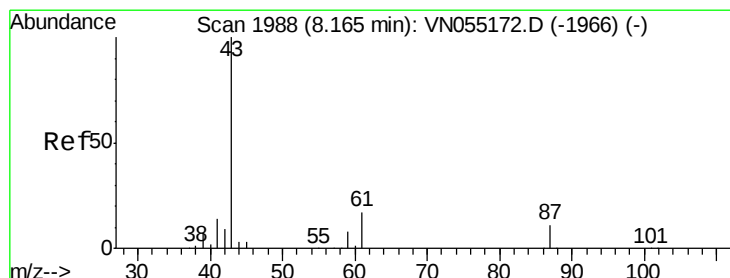
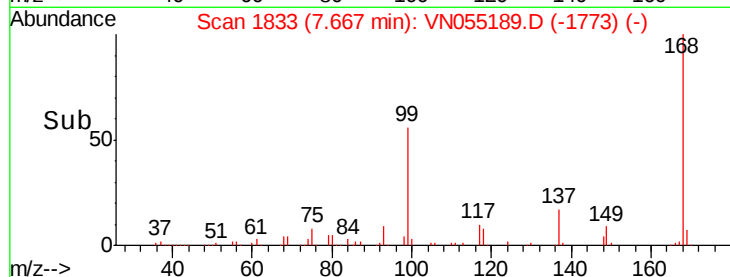
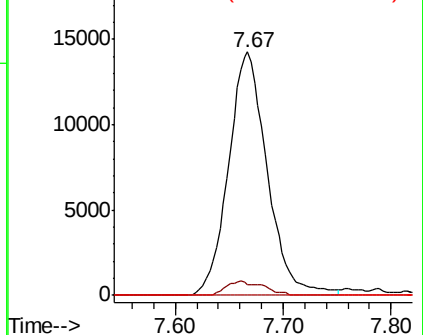
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.084 ug/l

RT: 8.18 min Scan# 1993

Delta R.T. 0.02 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

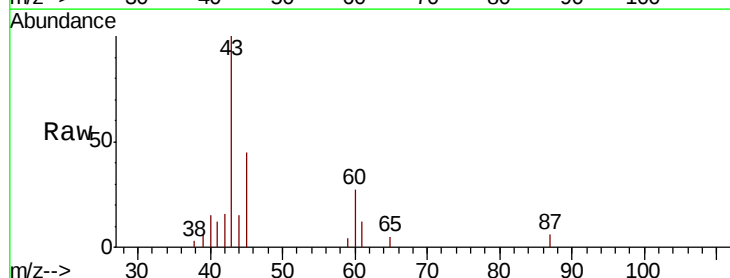
Tgt Ion: 43 Resp: 23826

Ion Ratio Lower Upper

43 100

61 14.4 20.6 30.8#

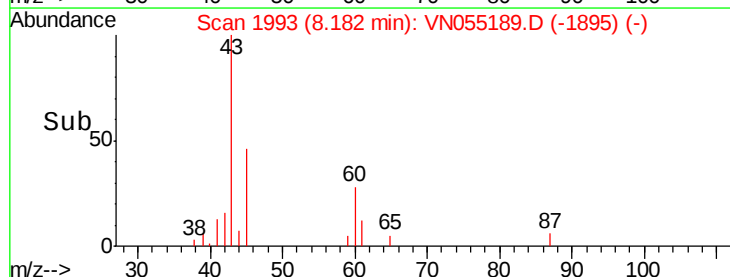
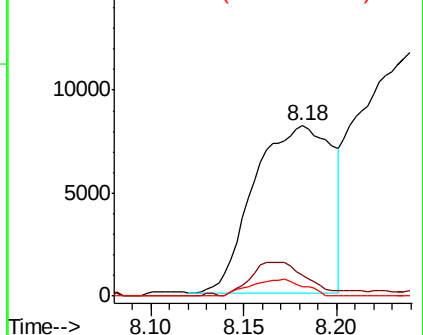
87 6.9 8.8 13.2#

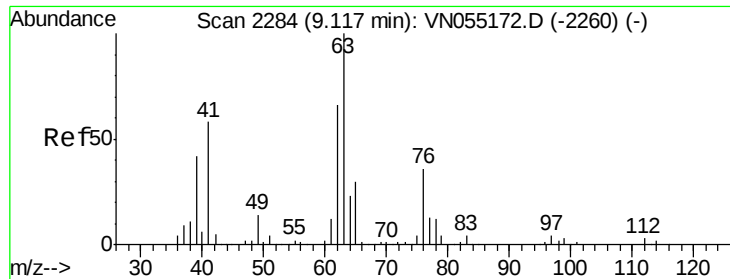


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

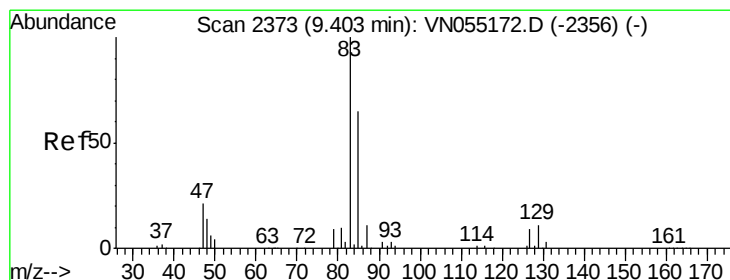
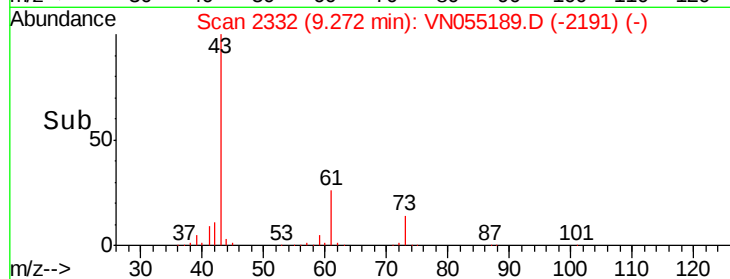
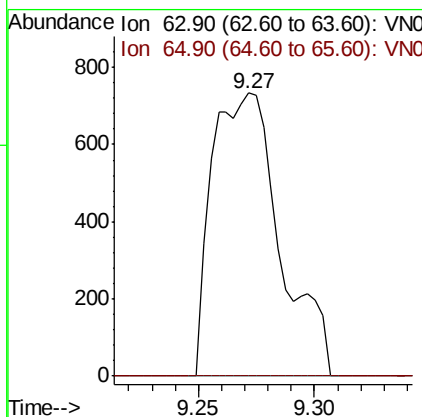
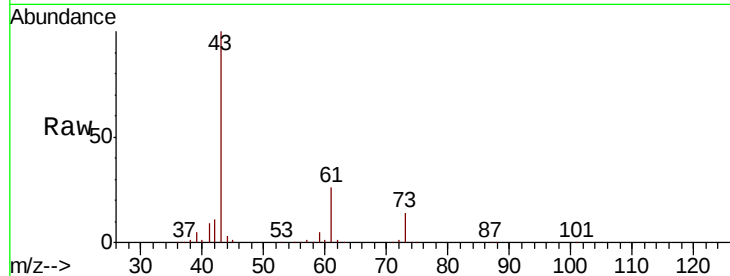




#45
 1,2-Dichloropropane
 Concen: 0.291 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

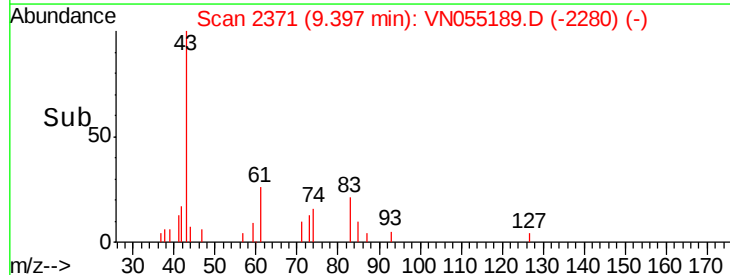
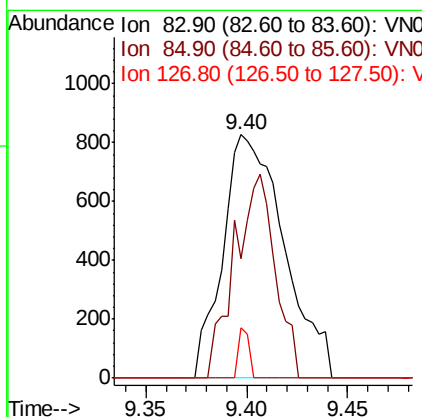
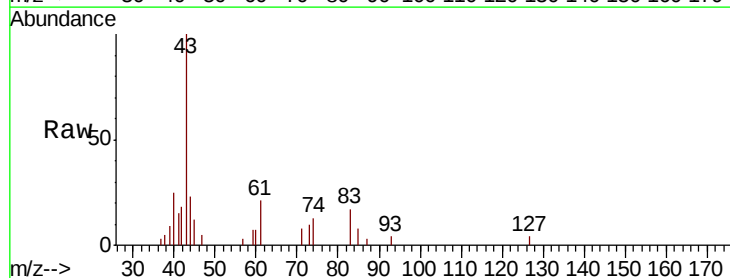
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

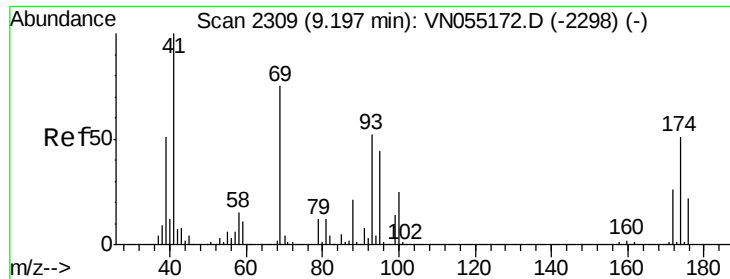
Tot Ion: 63 Resp: 1499
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.8 35.6#



#47
 Bromodichloromethane
 Concen: 0.297 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion: 83 Resp: 1752
 Ion Ratio Lower Upper
 83 100
 85 48.9 52.1 78.1#
 127 20.9 6.9 10.3#

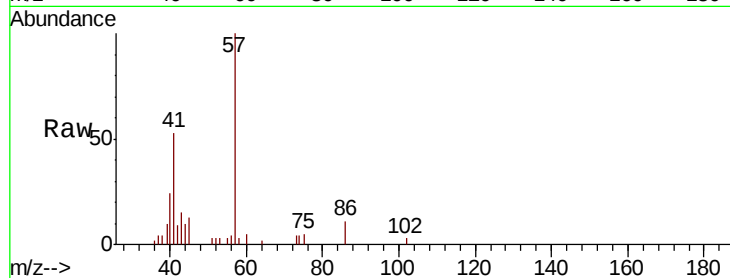




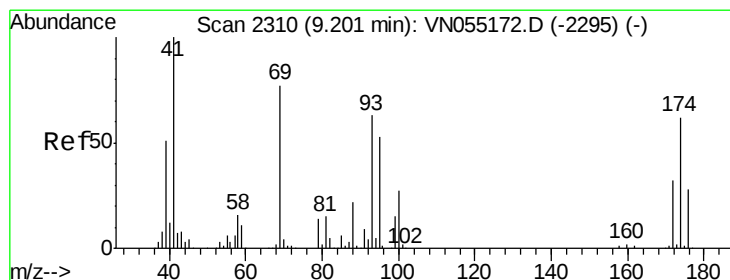
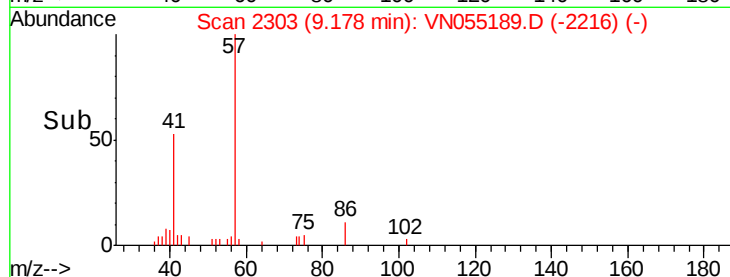
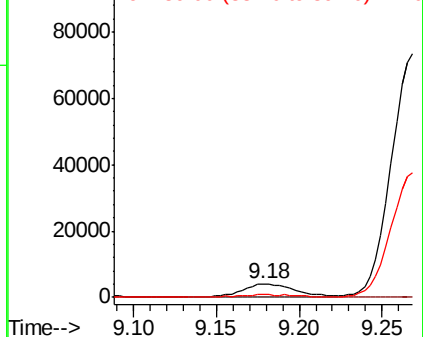
#48
Methvl methacrylate
Concen: 2.451 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
TP-13

Tot Ion: 41 Resp: 9186
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 43.8 65.8#

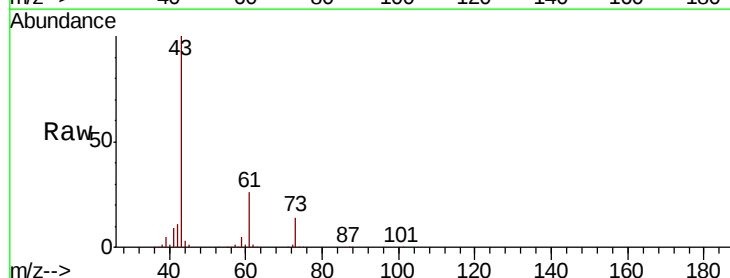


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

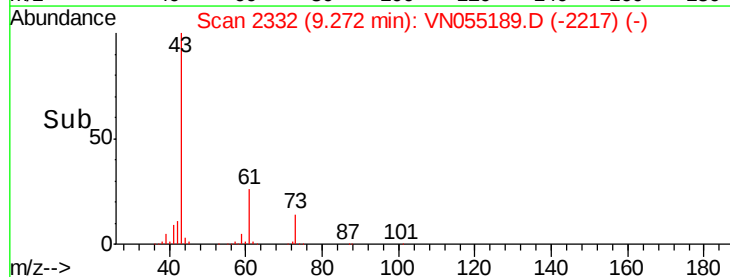
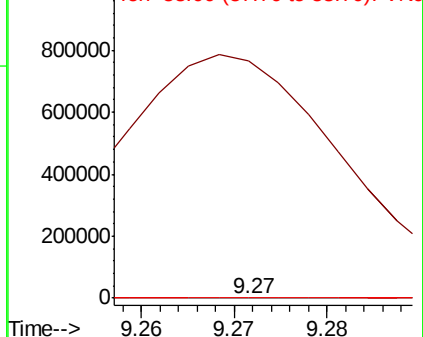


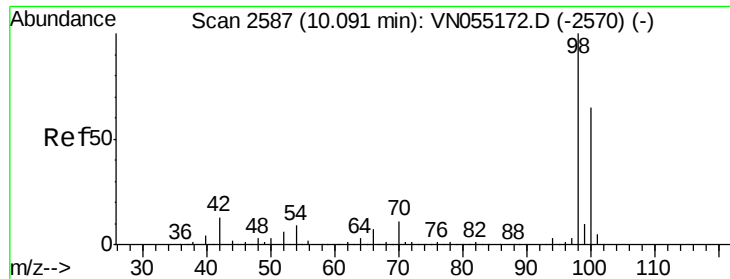
#49
1,4-Dioxane
Concen: 1.456 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 2317660.3 32.0 48.0#
58 10895.2 60.4 90.6#



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: 49.150 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

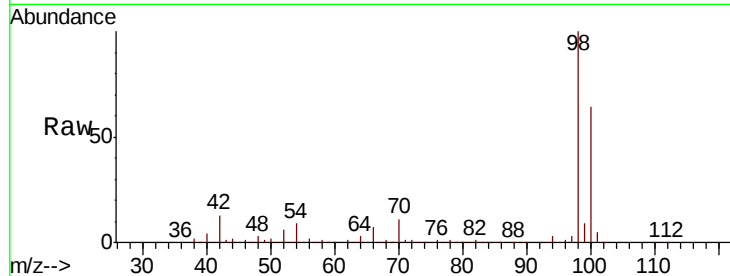
TP-13

Tot Ion: 98 Resp: 787962

Ion Ratio Lower Upper

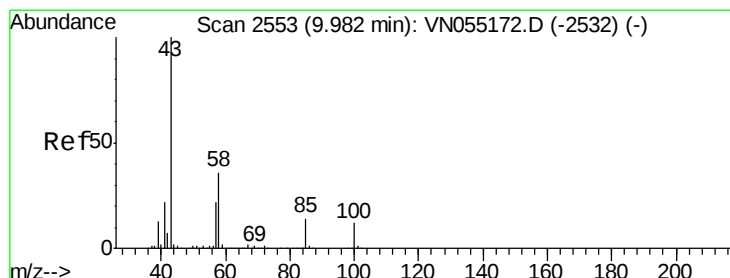
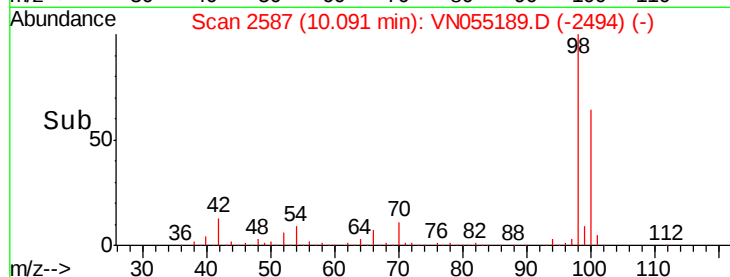
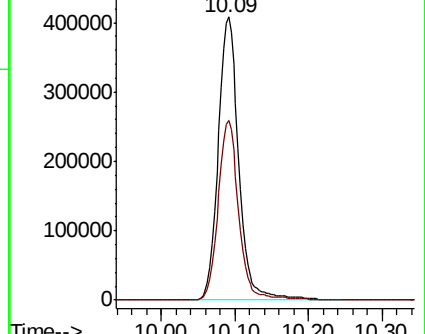
98 100

100 63.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.154 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055189.D

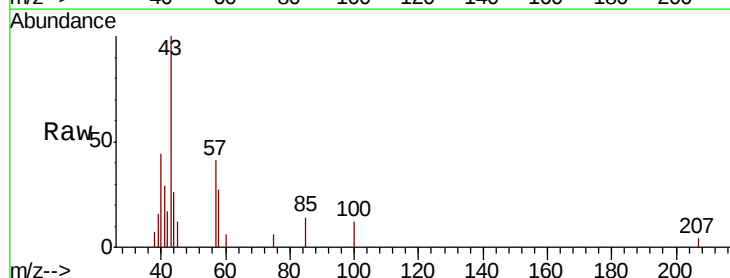
Acq: 22 Apr 2019 18:35

Tgt Ion: 43 Resp: 5131

Ion Ratio Lower Upper

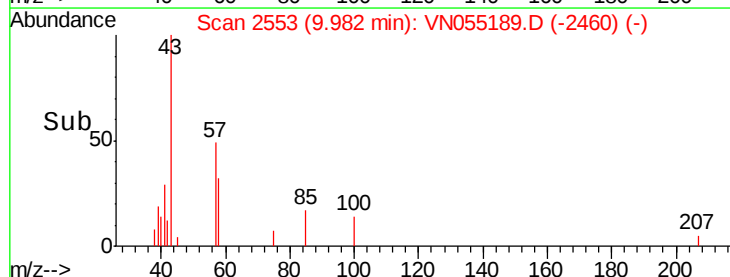
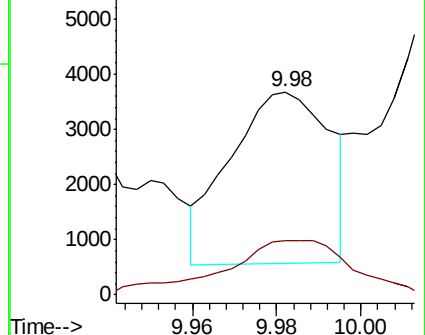
43 100

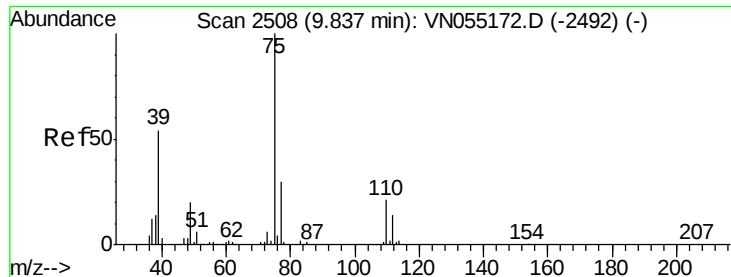
58 41.0 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



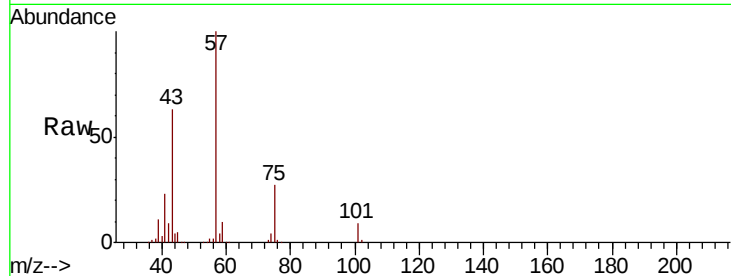


#54

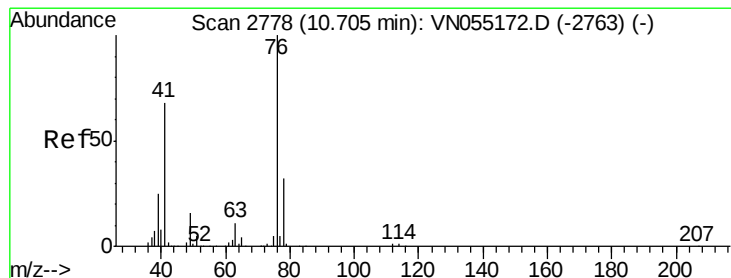
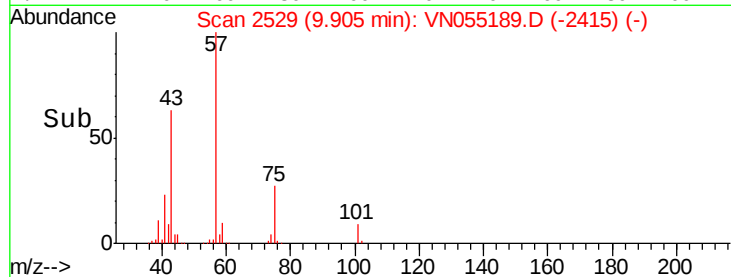
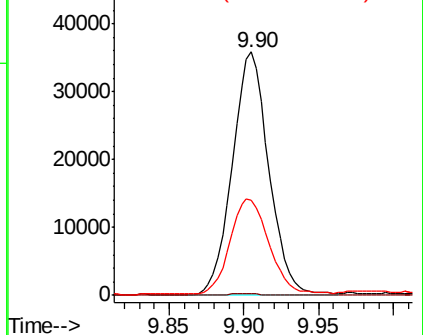
cis-1,3-Dichloropropene
 Concen: 9.072 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.8	24.3	36.5#
39	38.5	43.0	64.4#



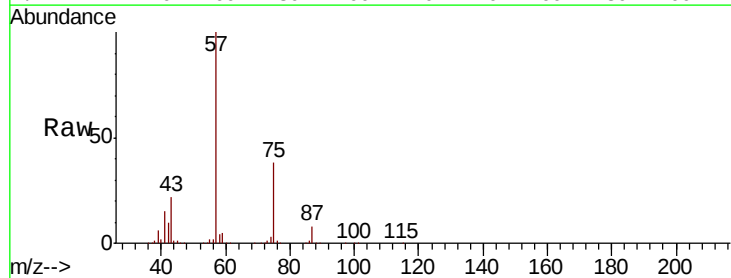
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



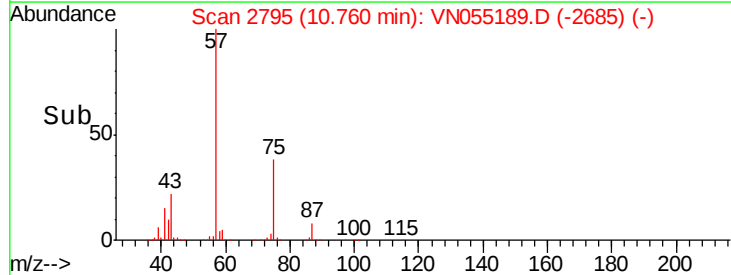
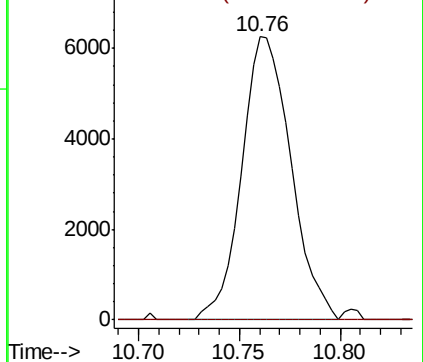
#57

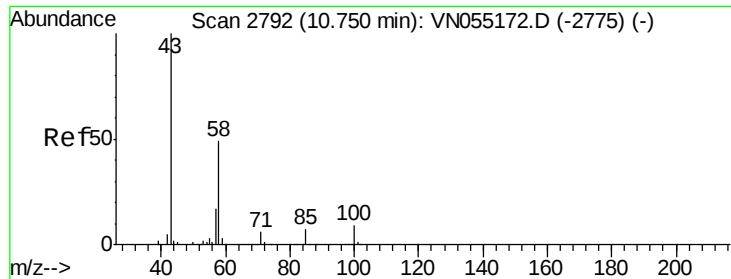
1,3-Dichloropropane
 Concen: 1.558 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.3	37.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO
 Ion 77.90 (77.60 to 78.60): VNO

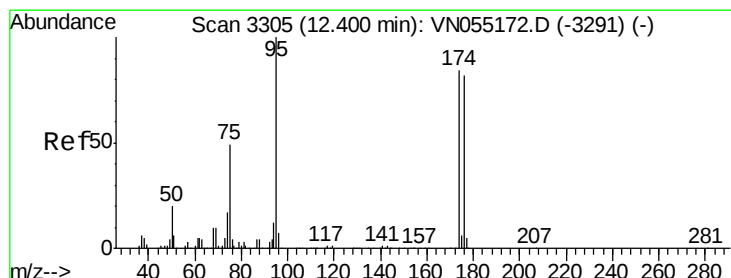
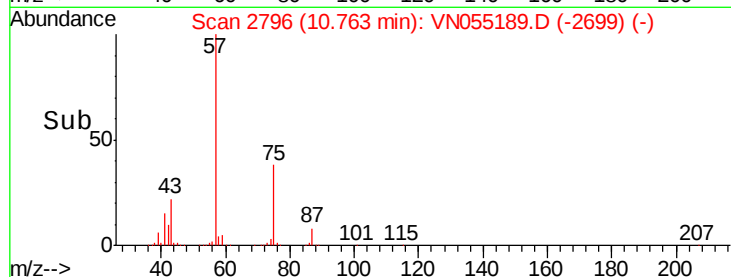
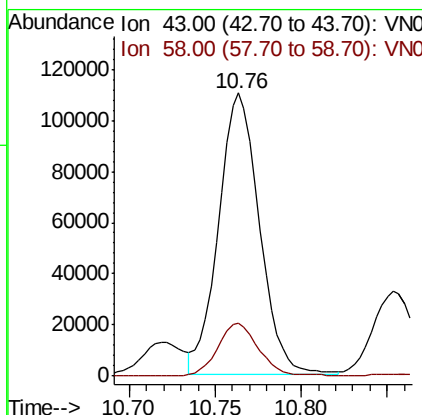
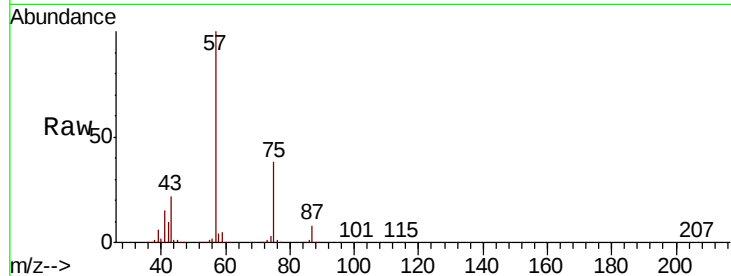




#59
2-Hexanone
Concen: 64.966 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

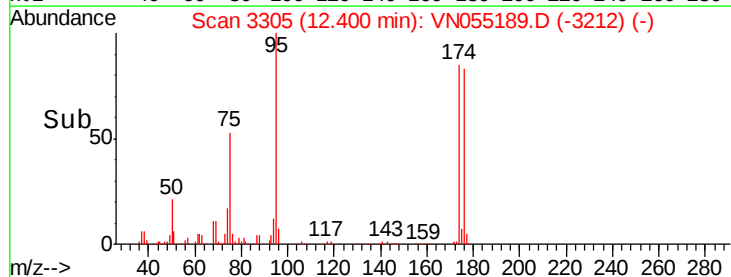
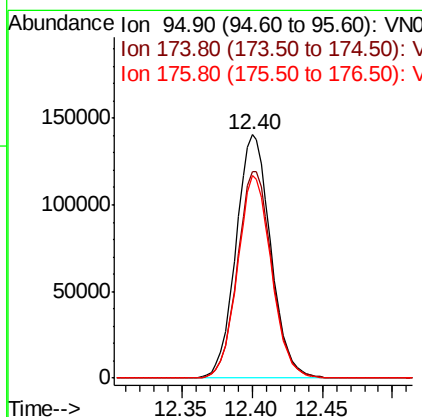
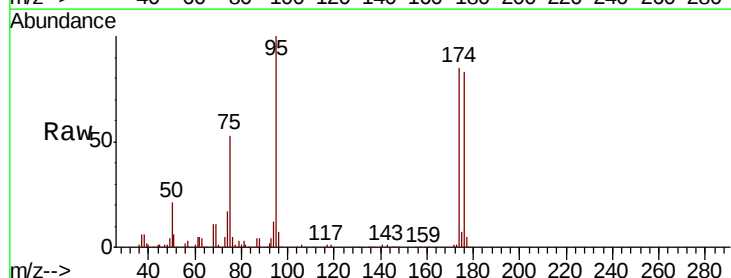
Instrument :
MSVOA_N
ClientSampleId :
TP-13

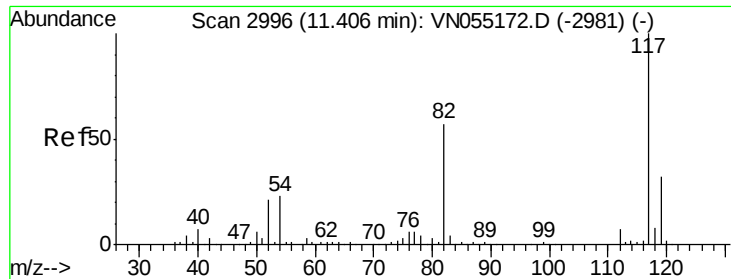
Tot Ion: 43 Resp: 182427
Ion Ratio Lower Upper
43 100
58 19.1 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 47.705 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion: 95 Resp: 242191
Ion Ratio Lower Upper
95 100
174 84.8 0.0 168.4
176 81.5 0.0 164.0

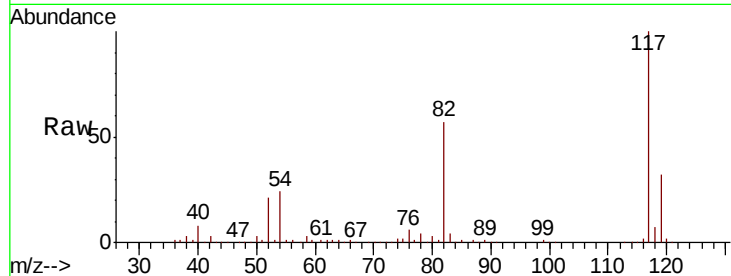




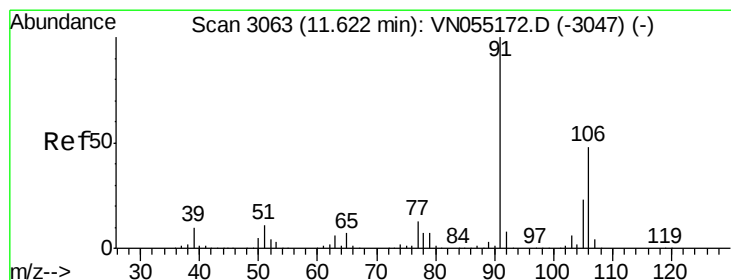
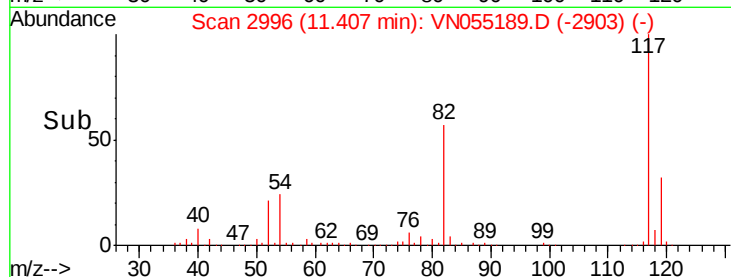
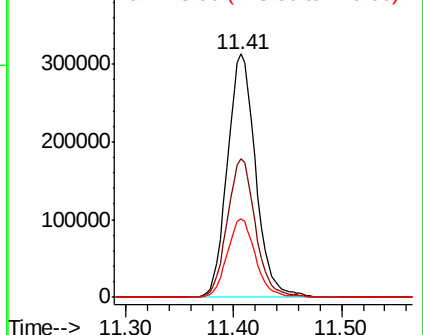
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
TP-13

Tot Ion:117 Resp: 572219
Ion Ratio Lower Upper
117 100
82 56.7 45.7 68.5
119 32.5 25.4 38.2

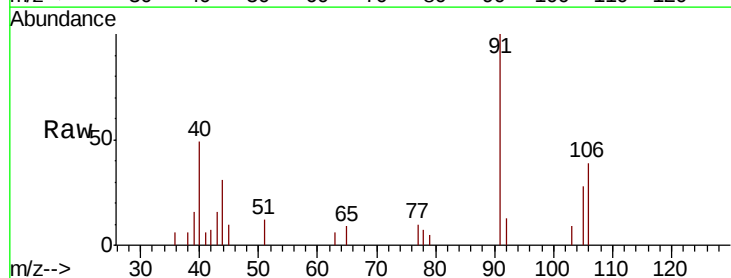


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

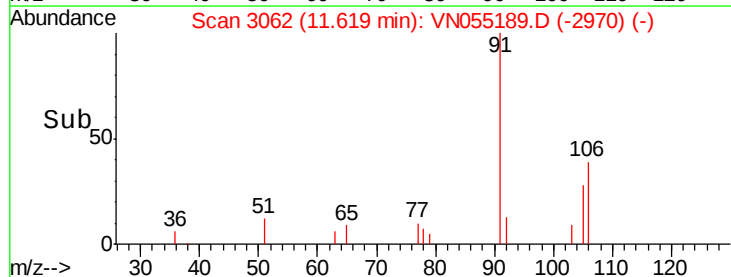
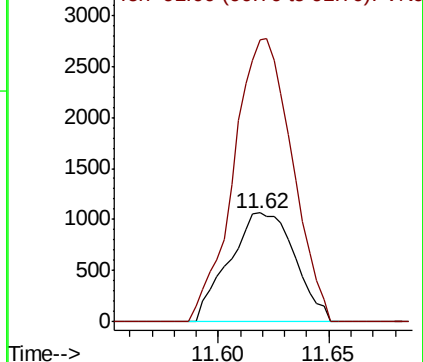


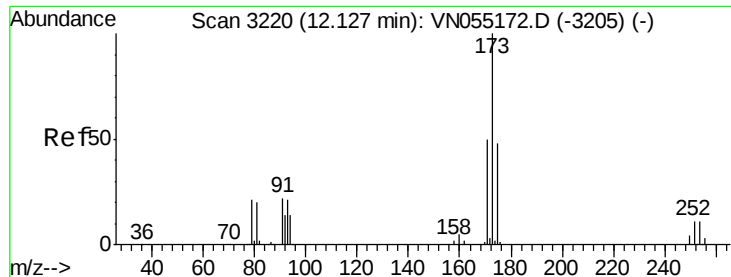
#68
m/p-Xylenes
Concen: 0.295 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion:106 Resp: 2200
Ion Ratio Lower Upper
106 100
91 231.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

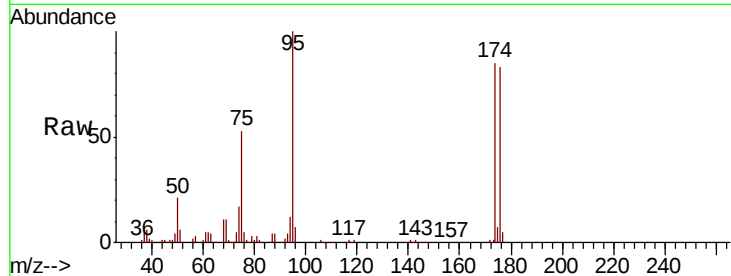




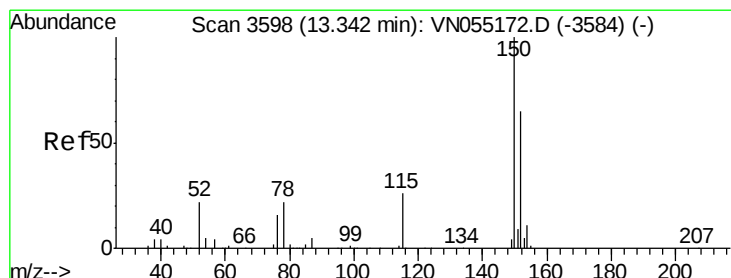
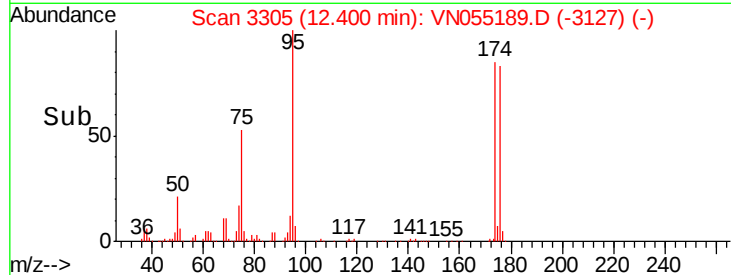
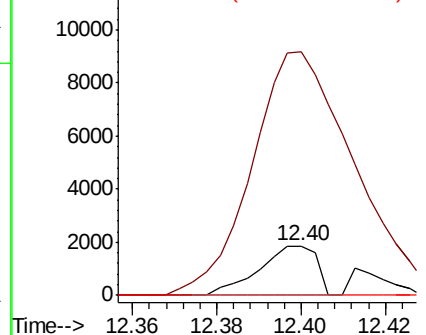
#71
Bromoform
Concen: 0.683 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
TP-13

Tot Ion:173 Resp: 1765
Ion Ratio Lower Upper
173 100
175 754.7 23.8 71.2#
254 0.0 0.1 0.1#

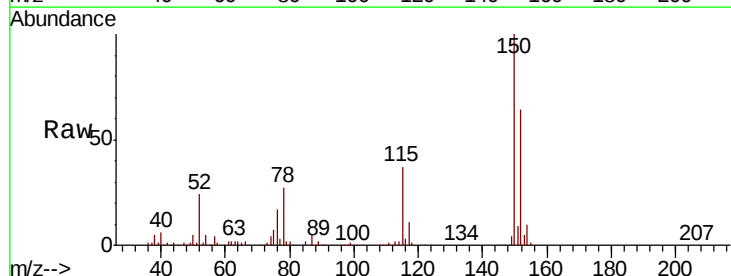


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

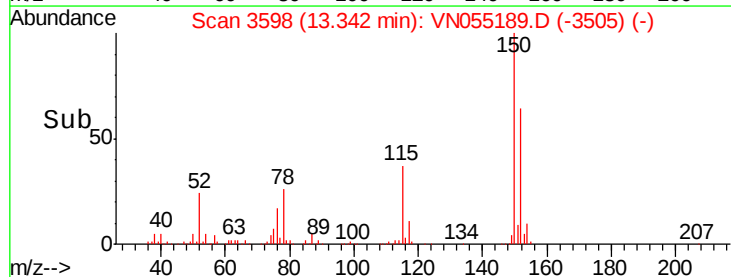
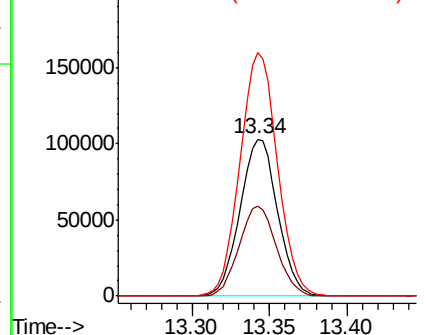


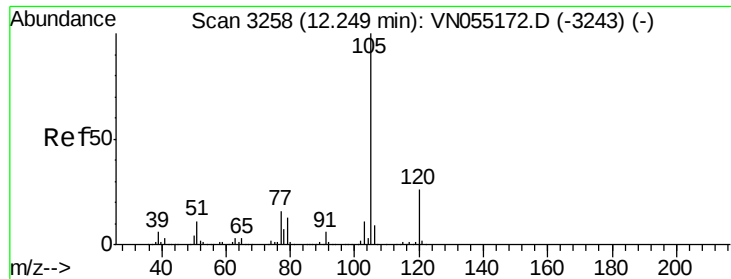
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055189.D
Acq: 22 Apr 2019 18:35

Tgt Ion:152 Resp: 173572
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 154.8 0.0 346.6



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

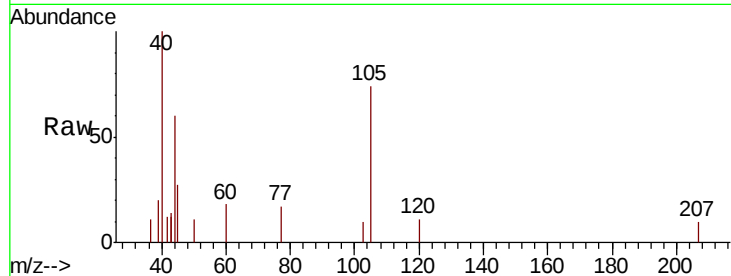
TP-13

Tot Ion: 105 Resp: 1644

Ion Ratio Lower Upper

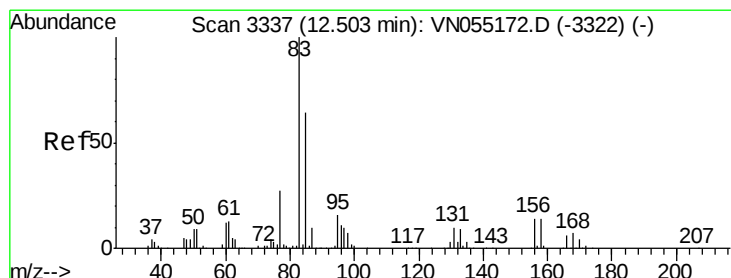
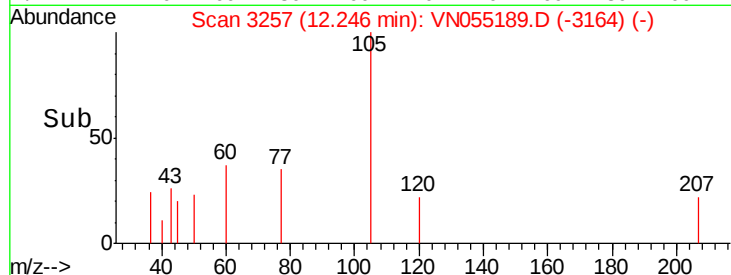
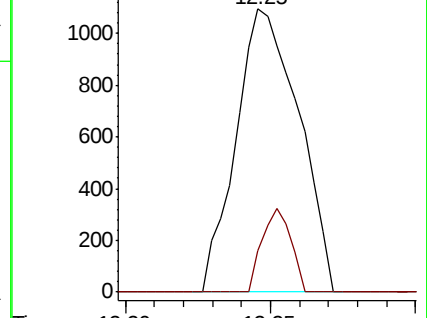
105 100

120 13.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

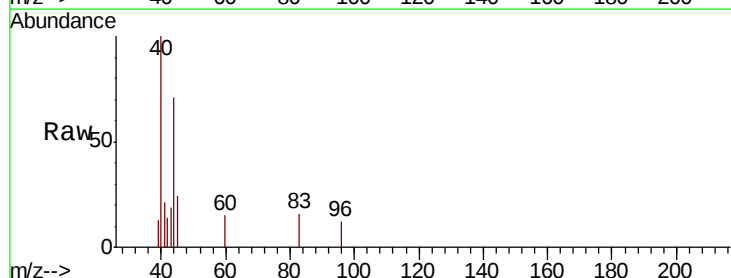
Tgt Ion: 83 Resp: 109

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

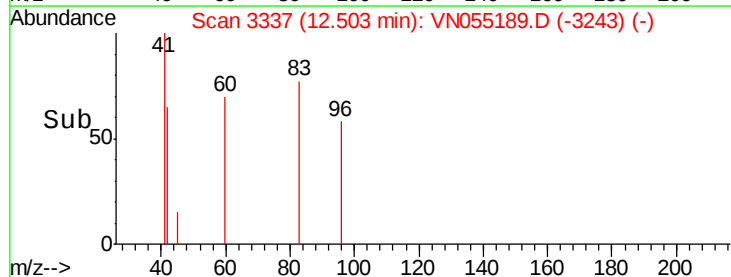
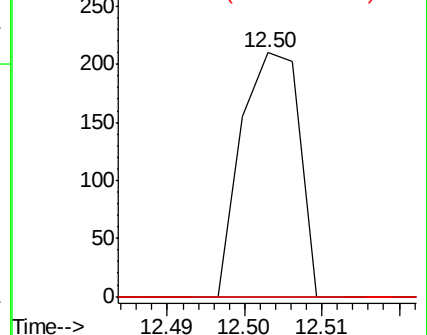
85 0.0 32.1 96.3#

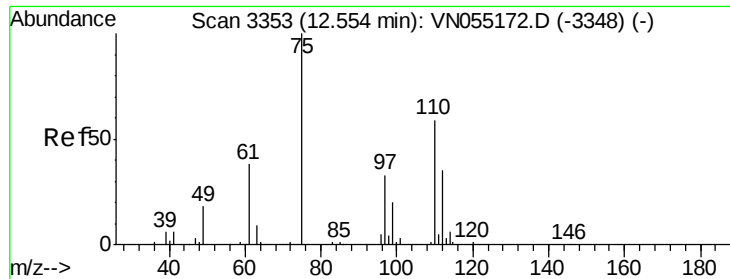


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

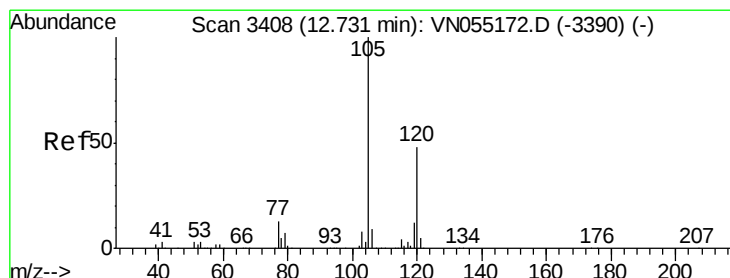
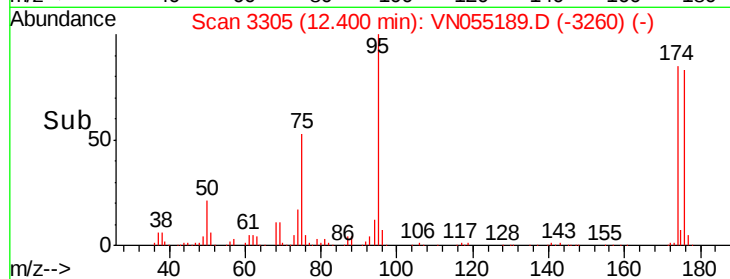
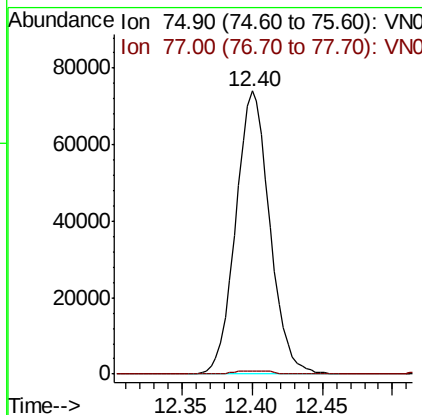
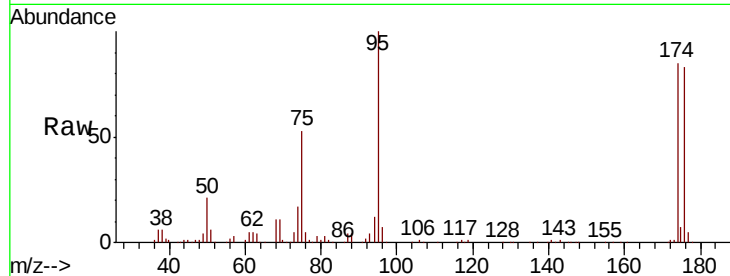




#76
 1,2,3-Trichloropropane
 Concen: 35.504 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

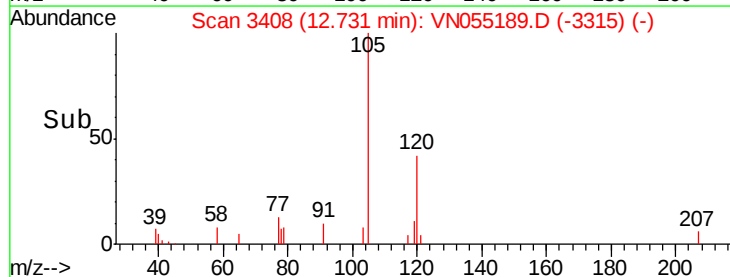
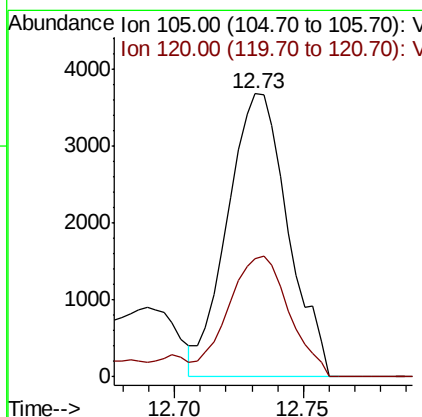
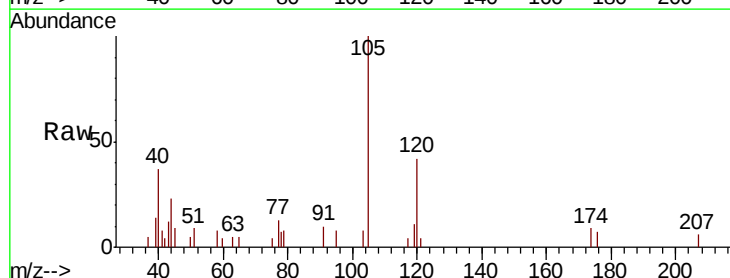
Instrument :
 MSVOA_N
 ClientSampled :
 TP-13

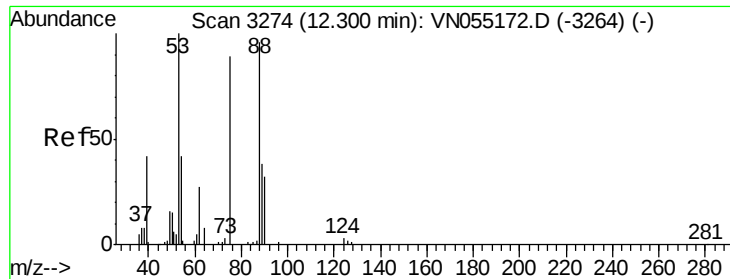
Tot Ion: 75 Resp: 125019
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.463 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion:105 Resp: 6021
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 134.588 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

TP-13

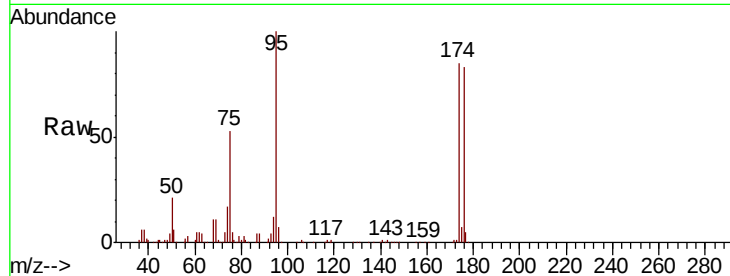
Tot Ion: 75 Resp: 125019

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

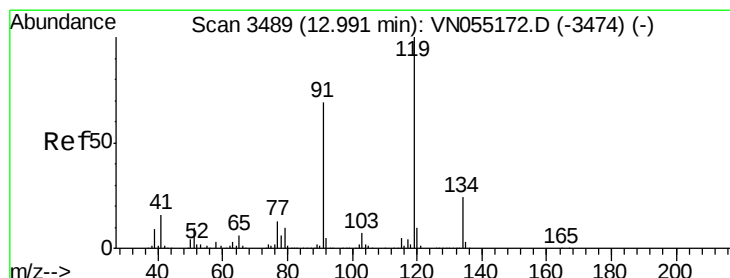
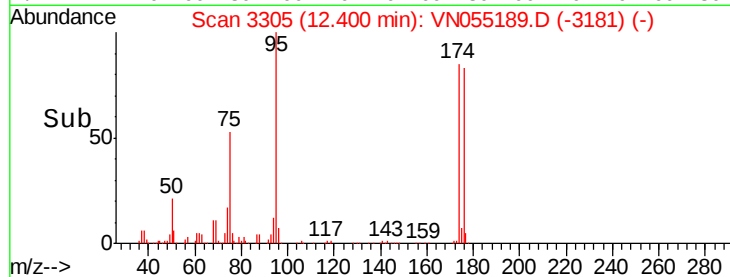
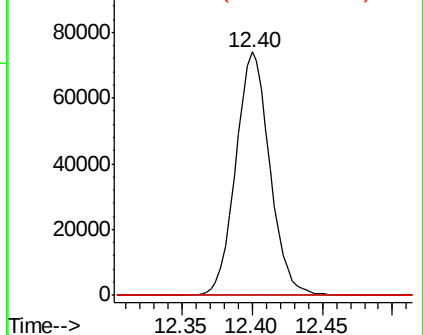
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN055189.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055189.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055189.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

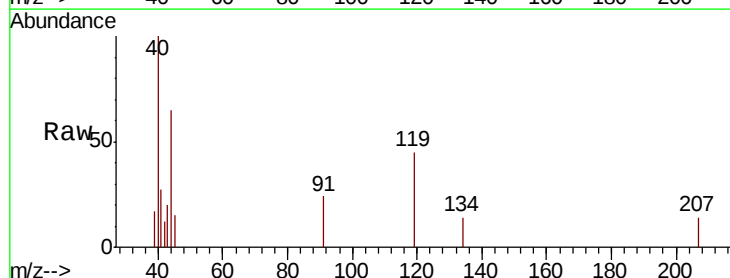
Tgt Ion: 119 Resp: 875

Ion Ratio Lower Upper

119 100

91 69.4 33.8 101.3

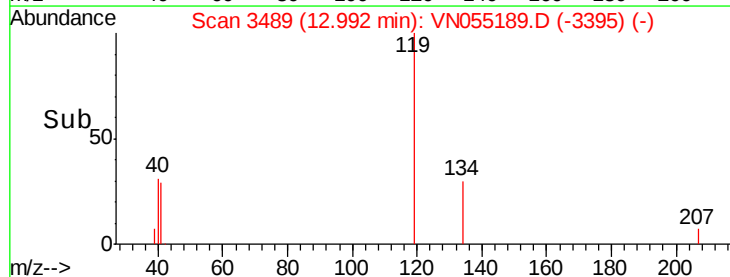
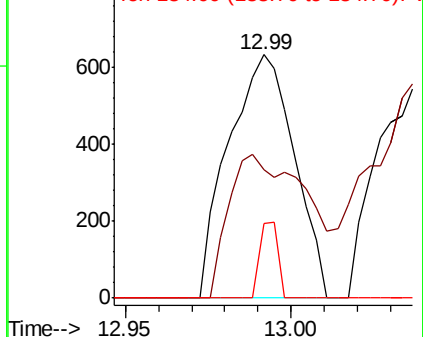
134 8.6 13.2 39.5#

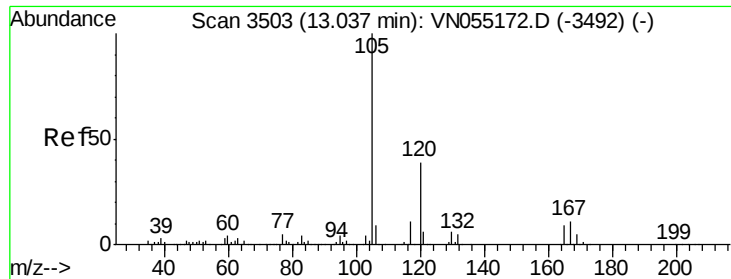


Abundance Ion 119.00 (118.70 to 119.70): VN055189.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055189.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055189.D (-3489) (-)

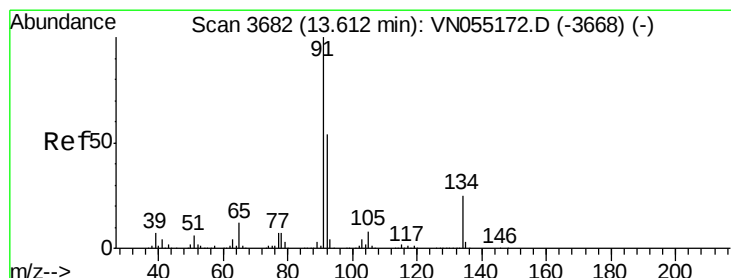
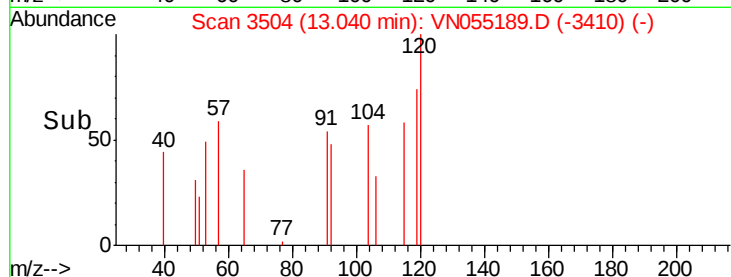
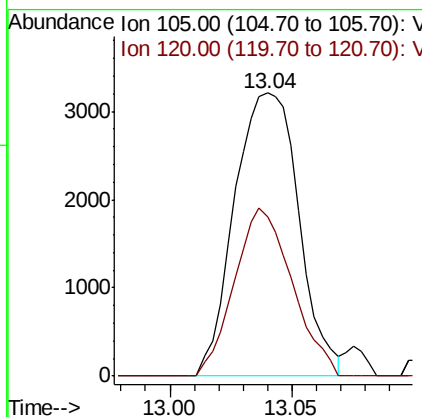
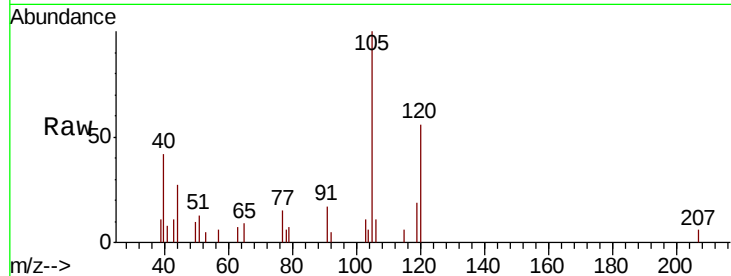




#84
 1,2,4-Trimethylbenzene
 Concen: 0.479 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

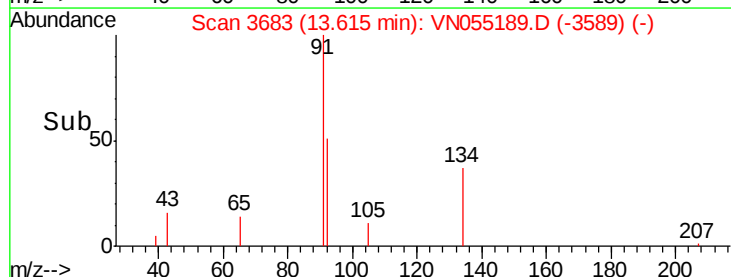
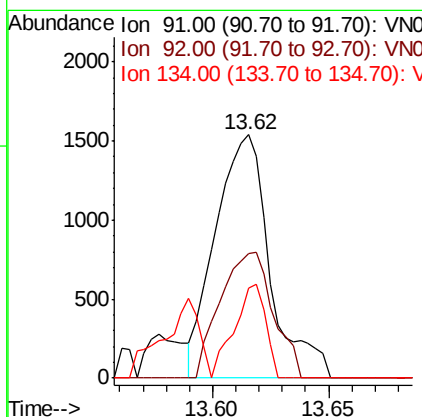
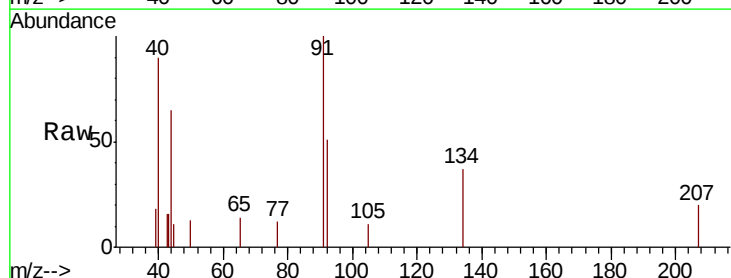
Instrument :
 MSVOA_N
 ClientSampled :
 TP-13

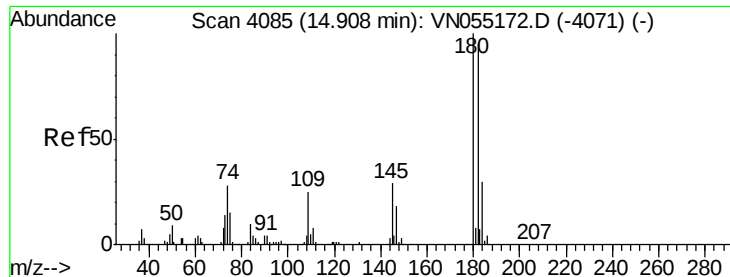
Tot Ion:105 Resp: 5875
 Ion Ratio Lower Upper
 105 100
 120 53.2 22.7 68.1



#89
 n-Butylbenzene
 Concen: 0.281 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion: 91 Resp: 2522
 Ion Ratio Lower Upper
 91 100
 92 50.1 26.4 79.2
 134 22.1 12.8 38.4

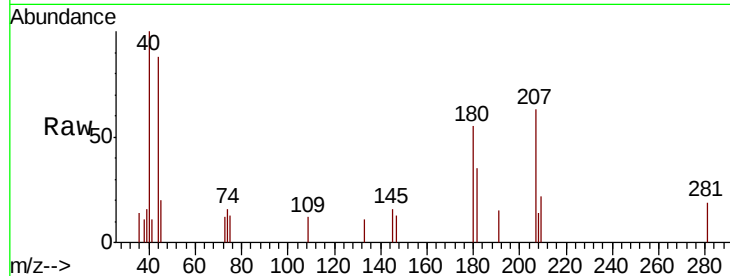




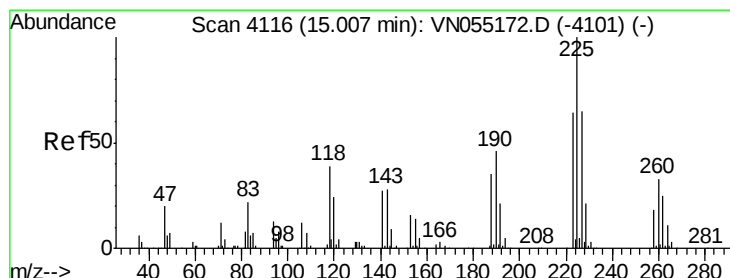
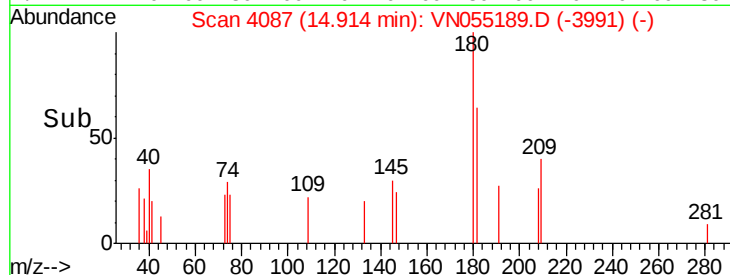
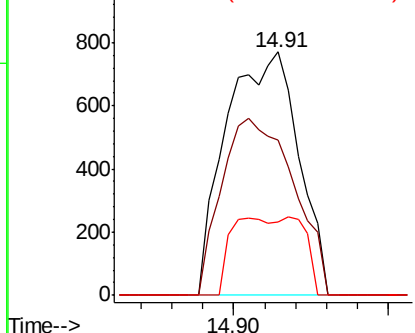
#93
 1,2,4-Trichlorobenzene
 Concen: 3.202 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Instrument :
 MSVOA_N
 ClientSampled :
 TP-13

Tot Ion:180 Resp: 1253
 Ion Ratio Lower Upper
 180 100
 182 72.6 47.8 143.4
 145 17.6 14.5 43.5

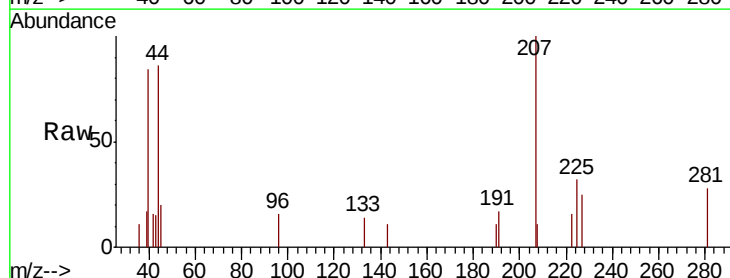


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

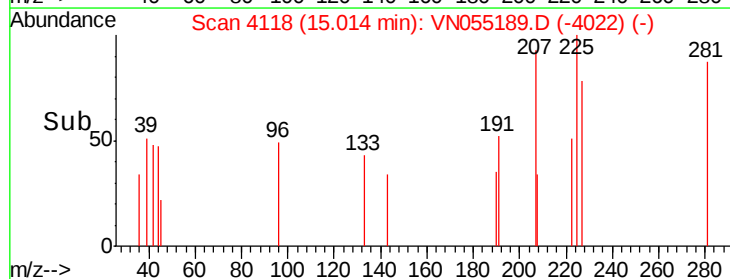
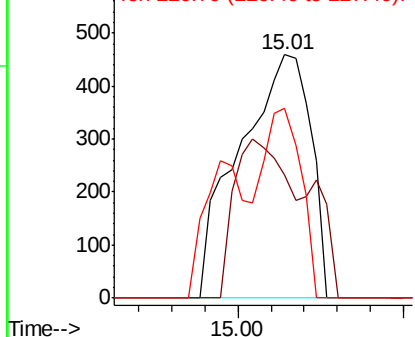


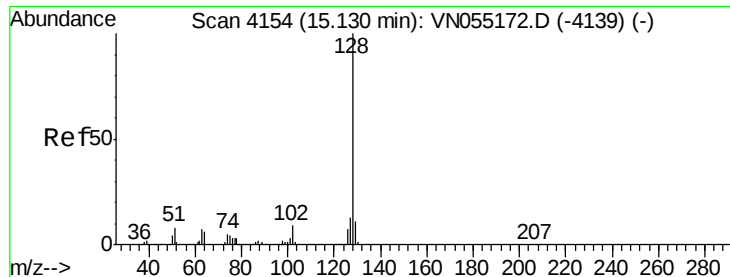
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN055189.D
 Acq: 22 Apr 2019 18:35

Tgt Ion:225 Resp: 690
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.2 96.6#
 227 40.4 32.6 98.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.417 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

TP-13

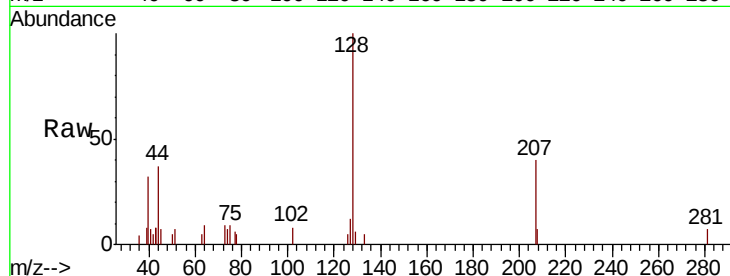
Tot Ion:128 Resp: 6144

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

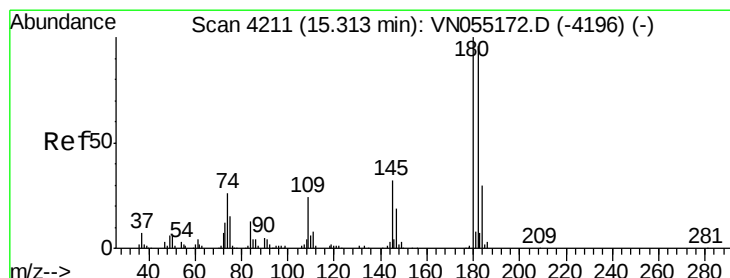
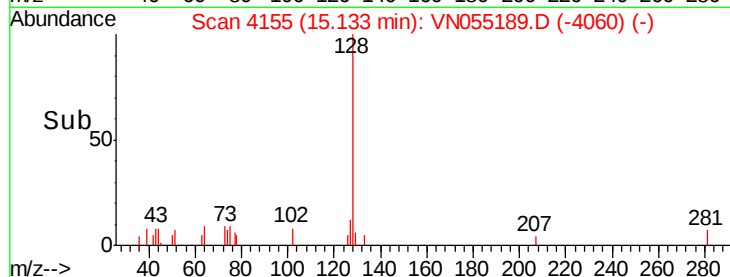
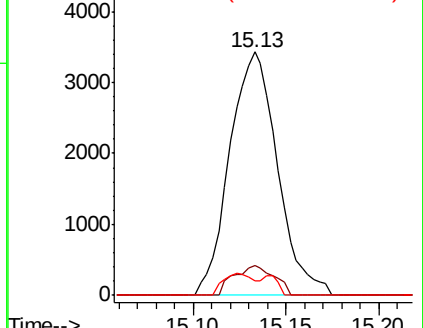
129 5.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.692 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055189.D

Acq: 22 Apr 2019 18:35

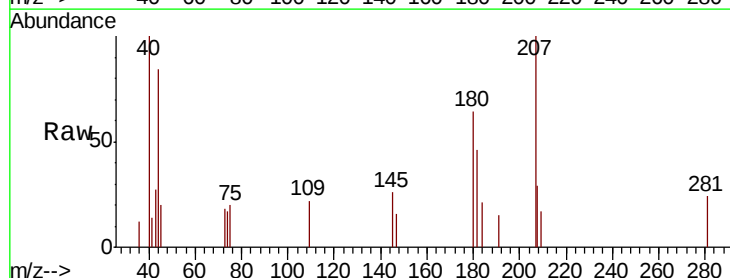
Tgt Ion:180 Resp: 1505

Ion Ratio Lower Upper

180 100

182 82.8 47.2 141.6

145 18.3 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

