

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055309.D
 Acq On : 30 Apr 2019 15:36
 Operator : JC/SP
 Sample : K2194-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 05:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	357934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	627523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	581187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175023	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	254260	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
35) Dibromofluoromethane	7.59	113	207390	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.09	98	780870	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	249070	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	107	0.399	ug/l #	73
13) Acrolein	3.62	56	100	0.478	ug/l #	14
14) Allyl chloride	4.55	41	8041	1.098	ug/l #	26
16) Acetone	3.82	43	21921	15.024	ug/l	93
17) Carbon Disulfide	4.06	76	3136	0.340	ug/l #	74
18) Methyl Acetate	4.33	43	6855	0.912	ug/l #	86
20) Methylene Chloride	4.55	84	158994	35.701	ug/l	98
25) 2-Butanone	6.85	43	1299	0.696	ug/l #	53
29) Tetrahydrofuran	7.23	42	1781	1.491	ug/l #	72
31) Cyclohexane	7.67	56	8138	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	27679	4.605	ug/l #	45
38) Carbon Tetrachloride	7.66	117	35148	6.062	ug/l #	17
41) Methacrylonitrile	7.16	41	31	0.752	ug/l #	23
43) Isopropyl Acetate	8.17	43	17588	2.376	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	2060	0.403	ug/l #	45
48) Methyl methacrylate	9.18	41	8942	2.457	ug/l #	18
49) 1,4-Dioxane	9.27	88	101	2.685	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6169	1.480	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	58992	9.095	ug/l #	68
57) 1,3-Dichloropropane	10.76	76	11458	1.730	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	347	12.634	ug/l #	52
59) 2-Hexanone	10.76	43	186870	71.654	ug/l #	54
71) Bromoform	12.40	173	1417	0.574	ug/l #	1
73) Isopropylbenzene	12.25	105	512	Below Cal	#	49
74) N-amyl acetate	11.88	43	17119	3.811	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.41	83	98	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	128396	38.909	ug/l #	100
77) Bromobenzene	12.53	156	106	Below Cal	#	48
79) 2-Chlorotoluene	12.68	91	407	Below Cal	#	42
80) 1,3,5-Trimethylbenzene	12.73	105	2923	0.213	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	128396	139.021	ug/l #	7
83) tert-Butylbenzene	13.03	119	448	Below Cal	#	56
84) 1,2,4-Trimethylbenzene	13.04	105	3271	0.267	ug/l	94
90) Hexachloroethane	13.81	117	62	Below Cal	#	7

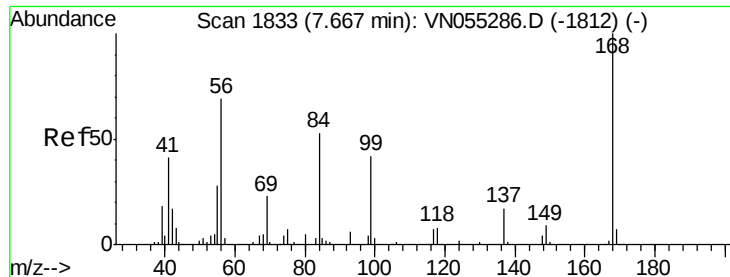
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
Data File : VN055309.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	333	3.447	ug/l #	20
94) Hexachlorobutadiene	15.02	225	93	Below Cal	#	4
95) Naphthalene	15.13	128	2619	3.831	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	244	2.715	ug/l #	46

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

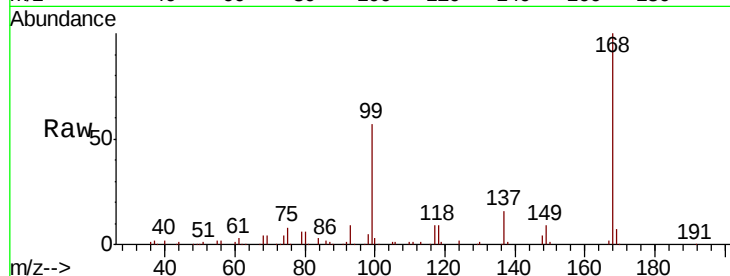
ClientSampleId :

Tot Ion:168 Resp: 357934

Ion Ratio Lower Upper

168 100

99 56.7 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

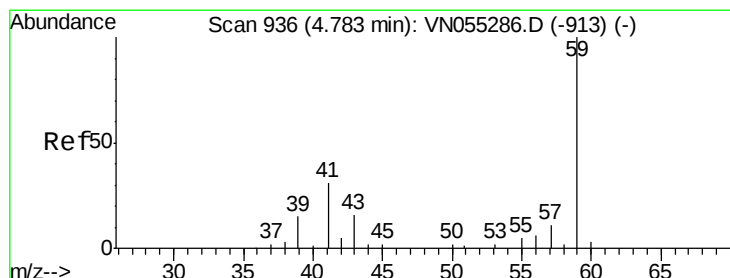
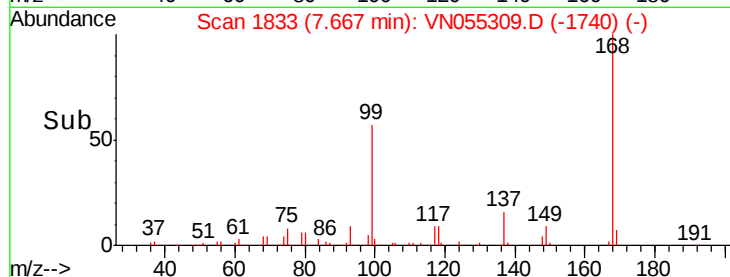
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.399 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.03 min

Lab File: VN055309.D

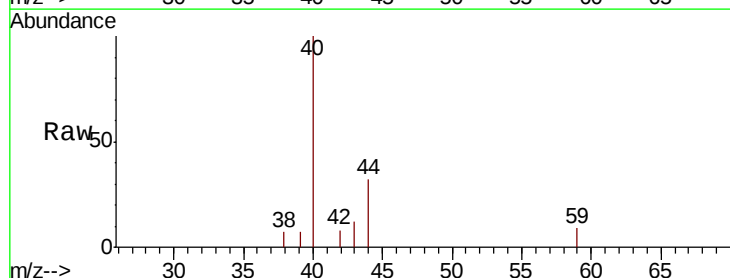
Acq: 30 Apr 2019 15:36

Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

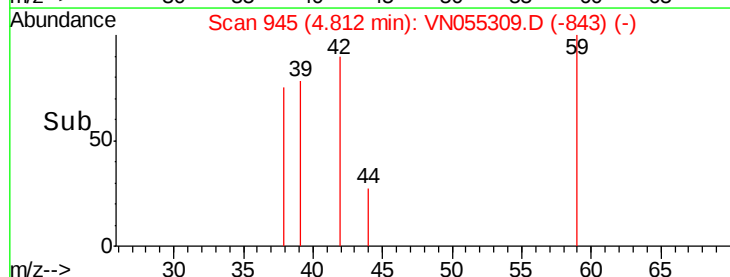
150

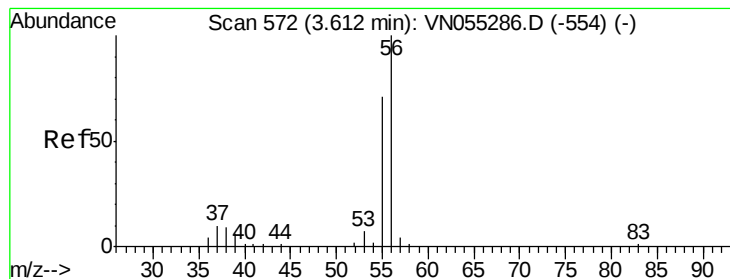
100

50

0

Time-->





#13

Acrolein

Concen: 0.478 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

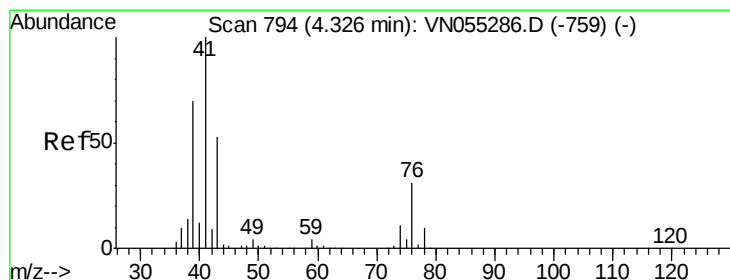
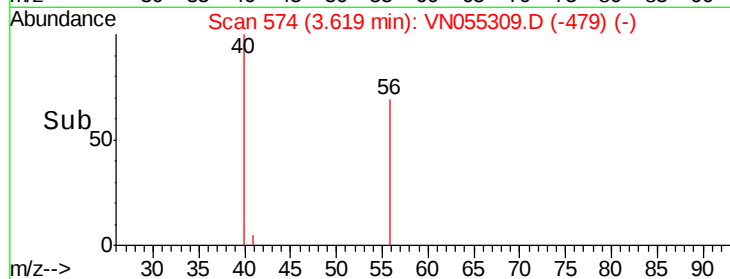
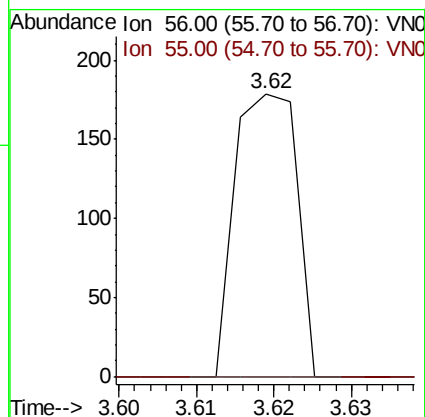
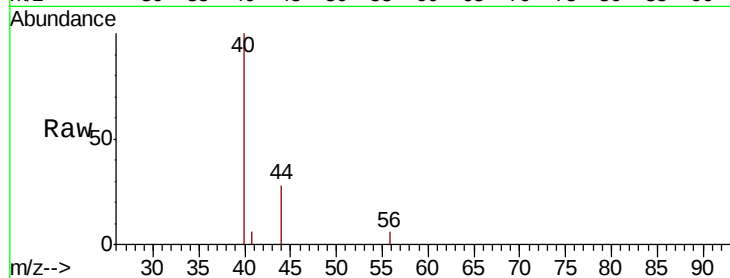
ClientSampleId :

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#14

Allyl chloride

Concen: 1.098 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

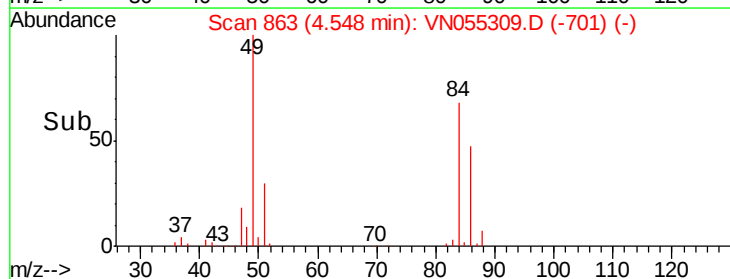
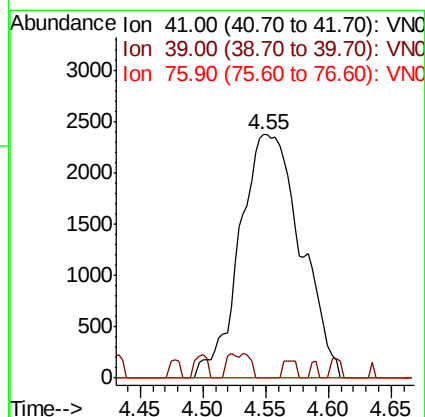
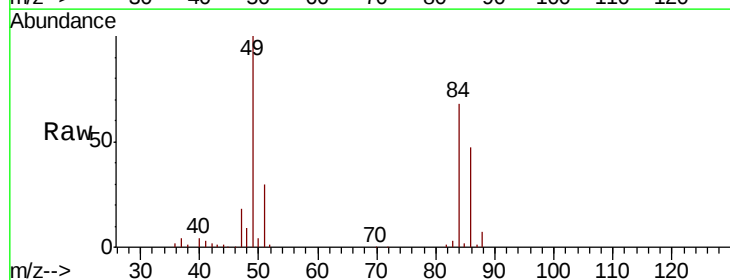
Tgt Ion: 41 Resp: 8041

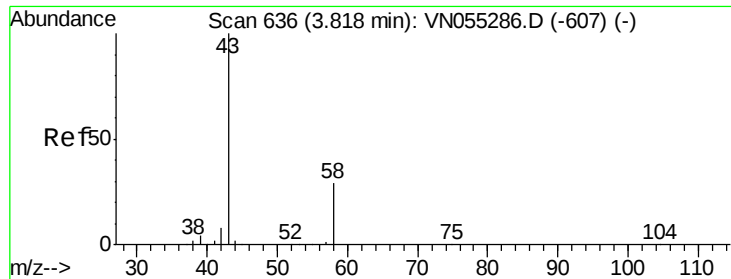
Ion Ratio Lower Upper

41 100

39 0.0 53.0 79.6#

76 0.0 22.7 34.1#





#16

Acetone

Concen: 15.024 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

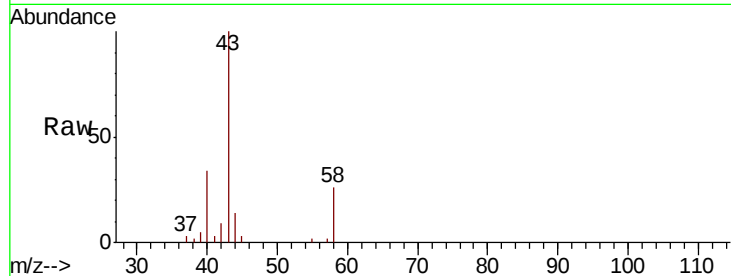
ClientSampled :

Tot Ion: 43 Resp: 21921

Ion Ratio Lower Upper

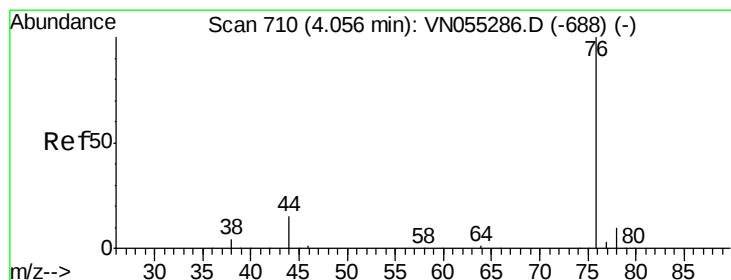
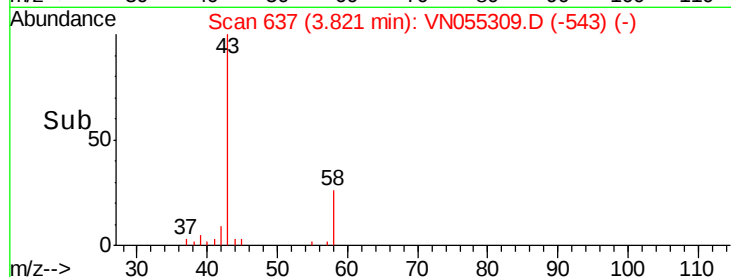
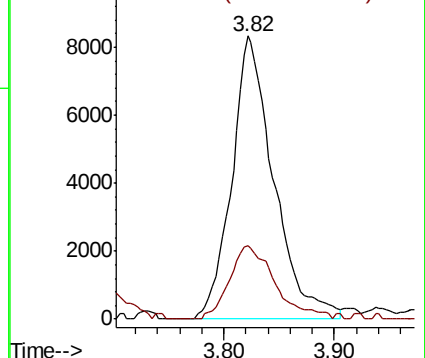
43 100

58 25.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.340 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055309.D

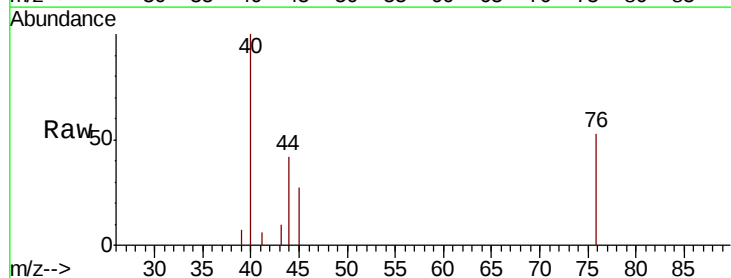
Acq: 30 Apr 2019 15:36

Tgt Ion: 76 Resp: 3136

Ion Ratio Lower Upper

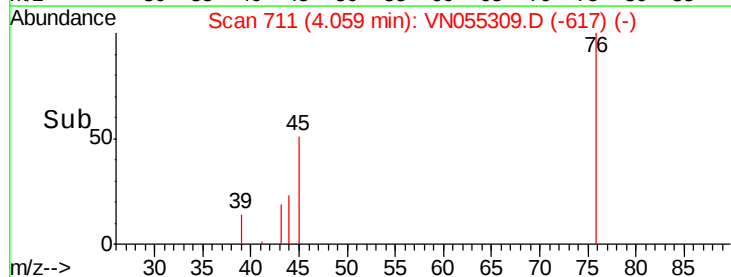
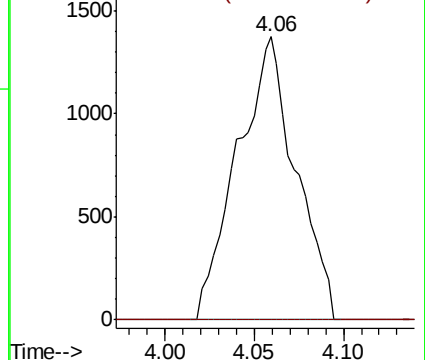
76 100

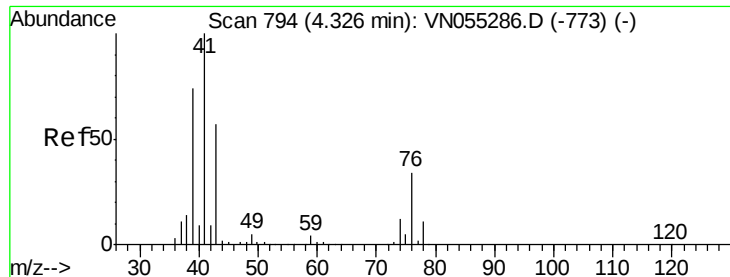
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

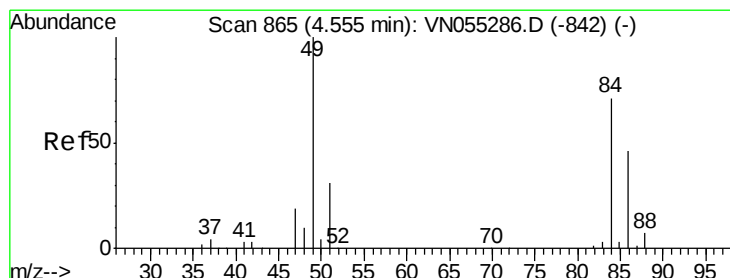
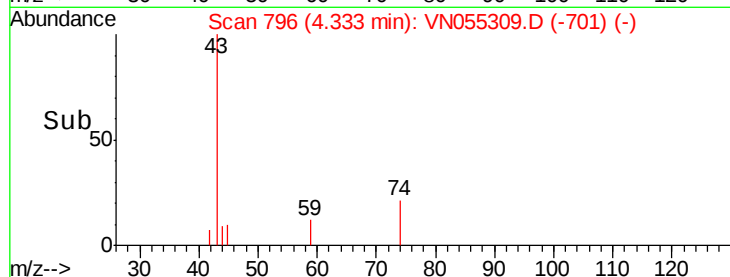
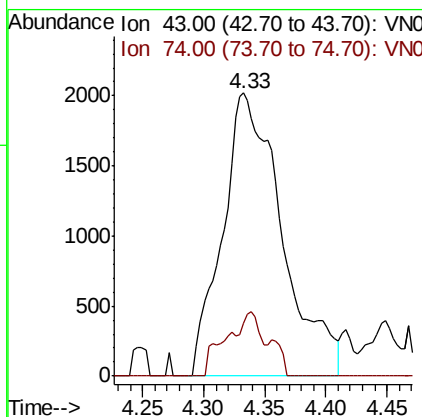
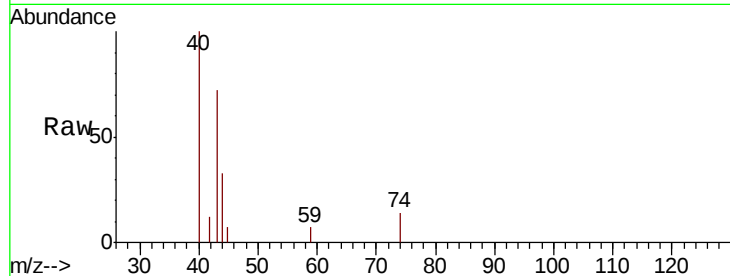




#18
Methyl Acetate
Concen: 0.912 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

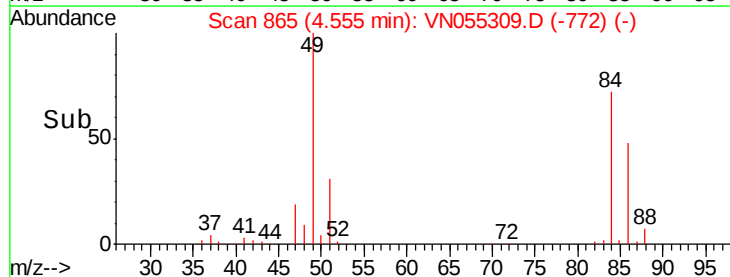
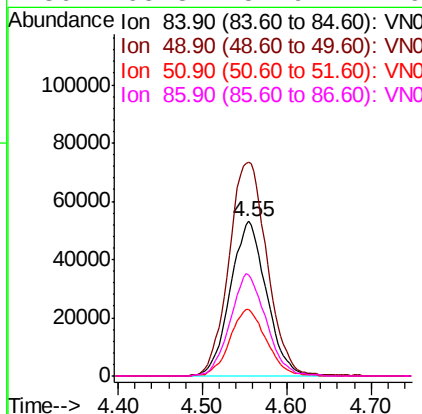
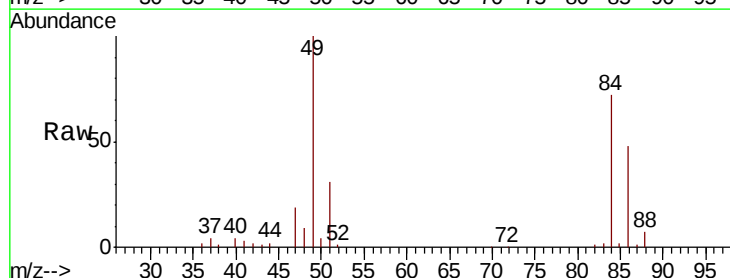
Instrument :
MSVOA_N
ClientSampleId :

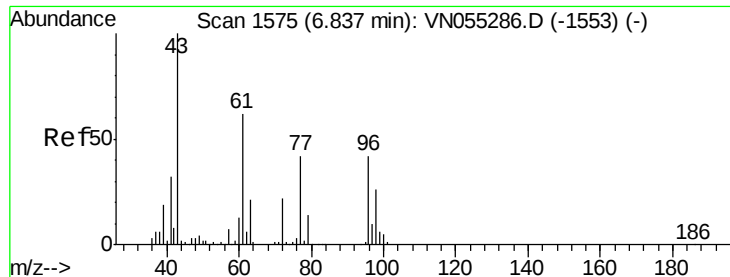
Tot Ion: 43 Resp: 6855
Ion Ratio Lower Upper
43 100
74 13.5 15.8 23.8#



#20
Methylene Chloride
Concen: 35.701 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion: 84 Resp: 158994
Ion Ratio Lower Upper
84 100
49 138.0 112.4 168.6
51 42.9 34.6 51.8
86 65.8 51.9 77.9

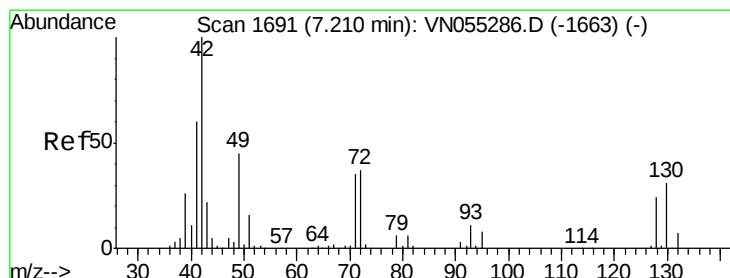
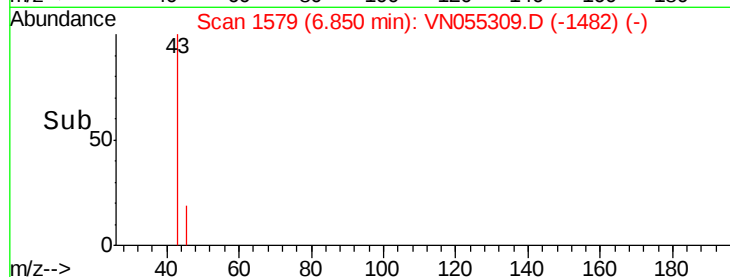
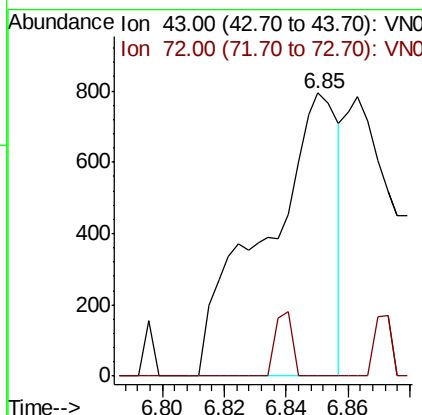
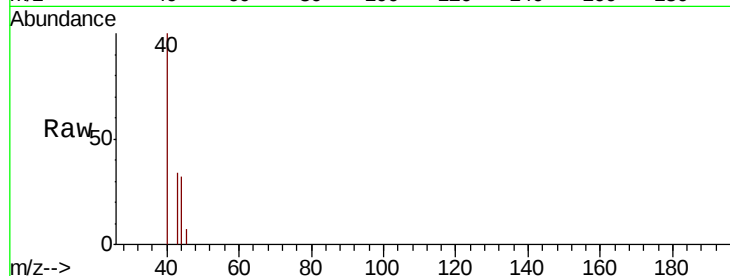




#25
2-Butanone
Concen: 0.696 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

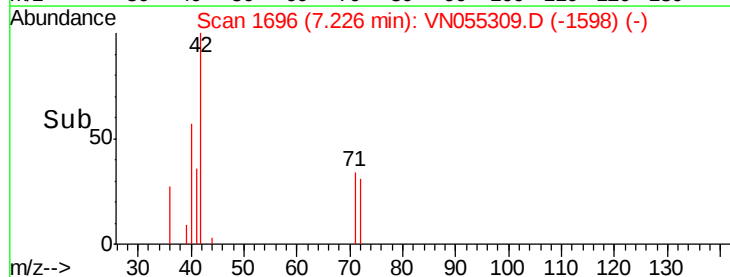
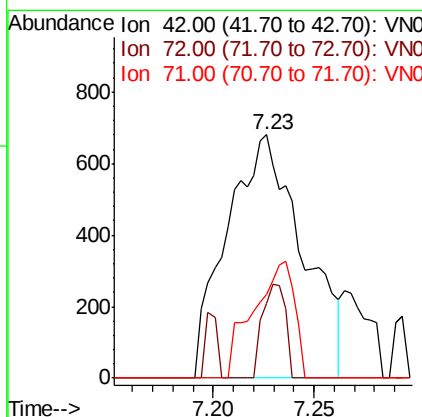
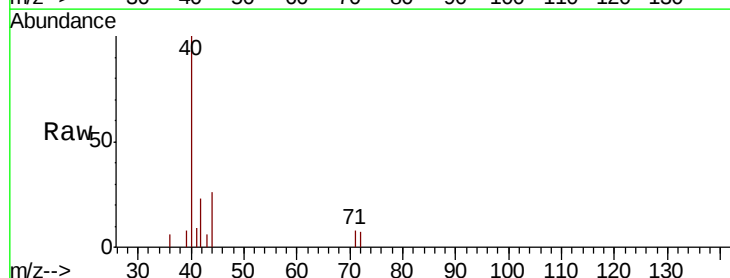
Instrument :
MSVOA_N
ClientSampled :

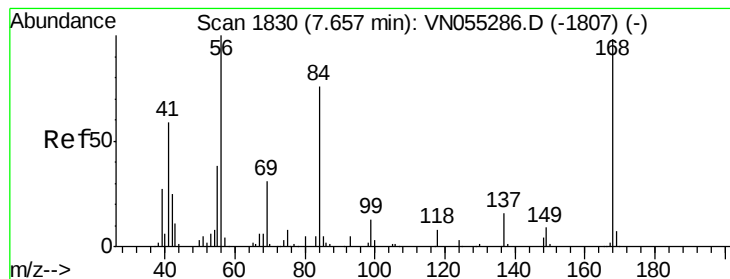
Tot Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#29
Tetrahydrofuran
Concen: 1.491 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion: 42 Resp: 1781
Ion Ratio Lower Upper
42 100
72 11.8 29.0 43.6#
71 26.3 27.1 40.7#





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :

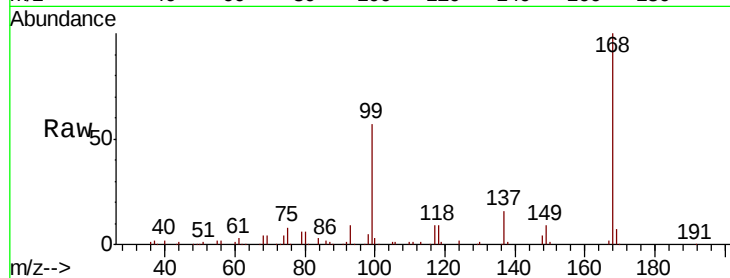
Tot Ion: 56 Resp: 8138

Ion Ratio Lower Upper

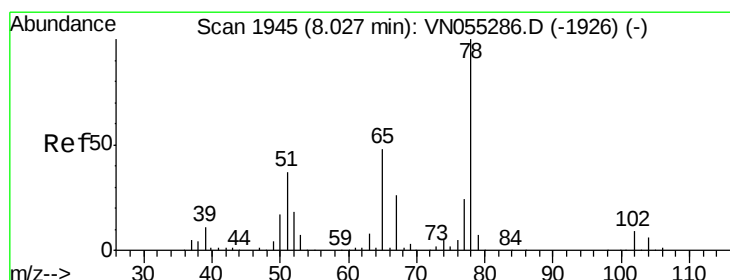
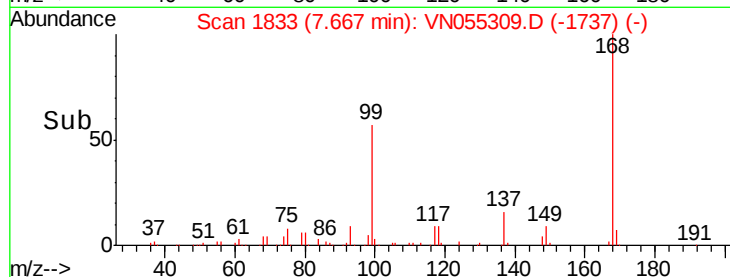
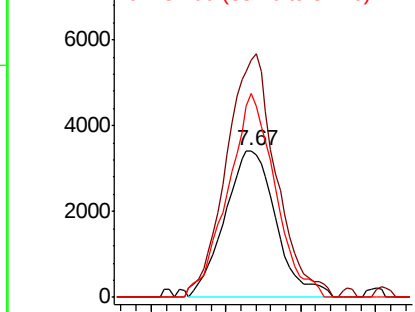
56 100

69 162.0 25.2 37.8#

84 138.9 61.1 91.7#



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



#33

1,2-Dichloroethane-d4

Concen: 54.299 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055309.D

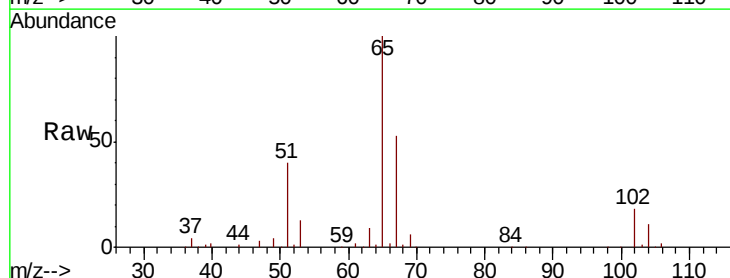
Acq: 30 Apr 2019 15:36

Tgt Ion: 65 Resp: 254260

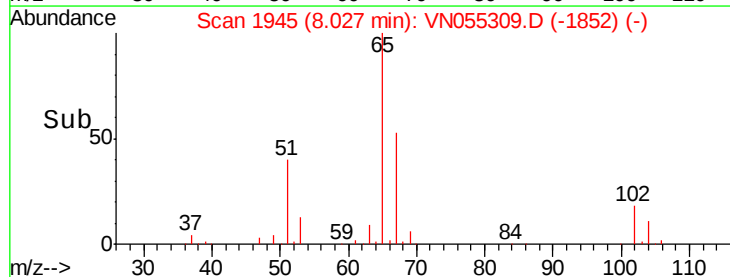
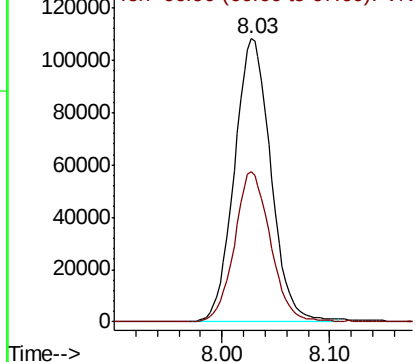
Ion Ratio Lower Upper

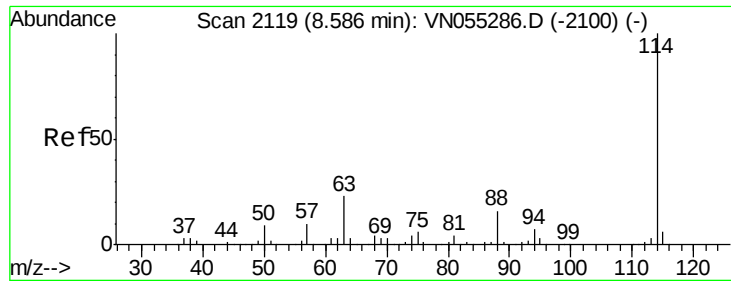
65 100

67 52.5 0.0 106.8



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

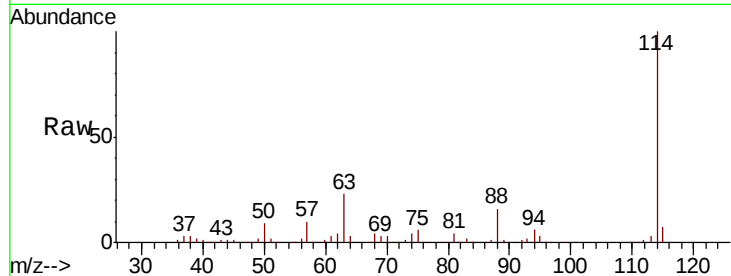




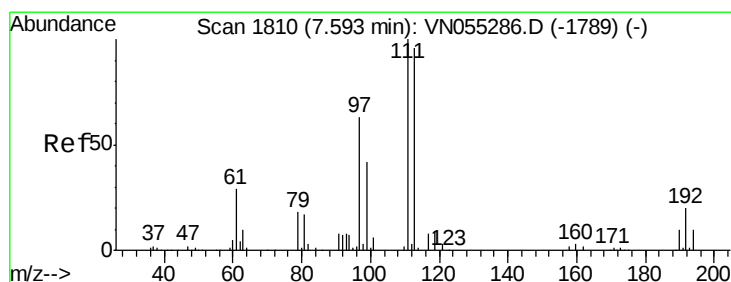
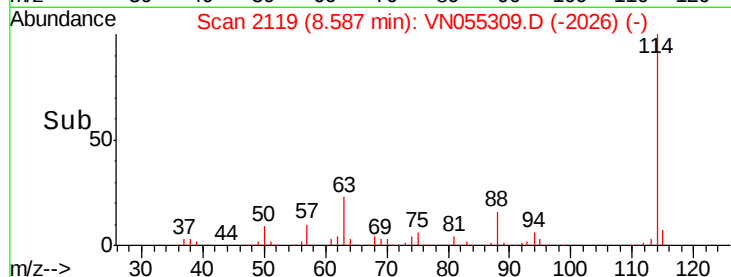
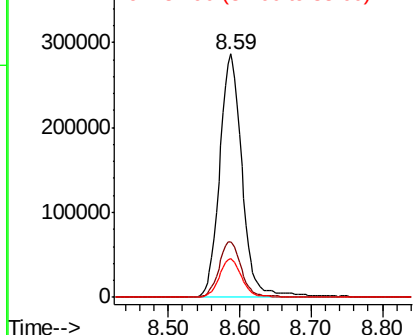
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 627523
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 16.0 0.0 31.6

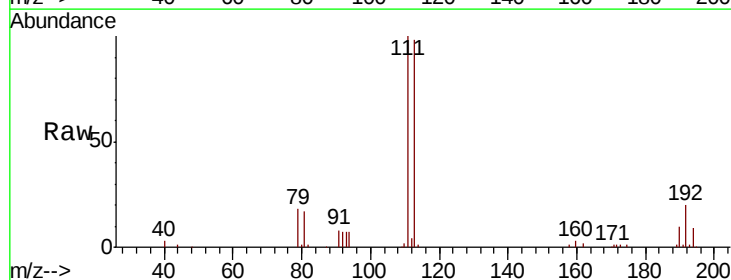


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

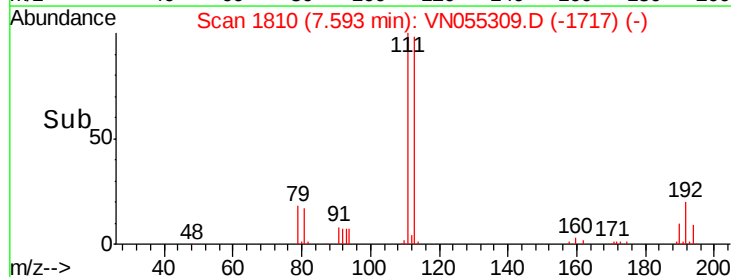
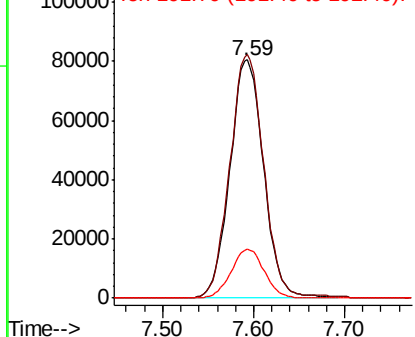


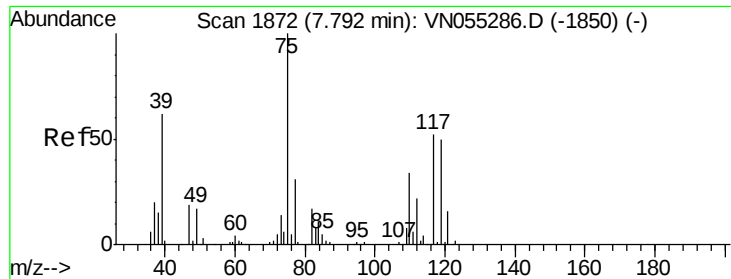
#35
 Dibromofluoromethane
 Concen: 50.351 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Tgt Ion:113 Resp: 207390
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 20.2 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

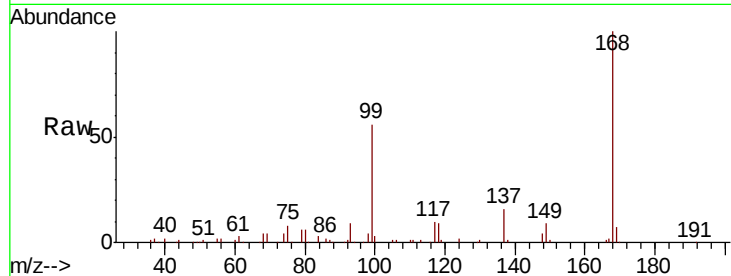




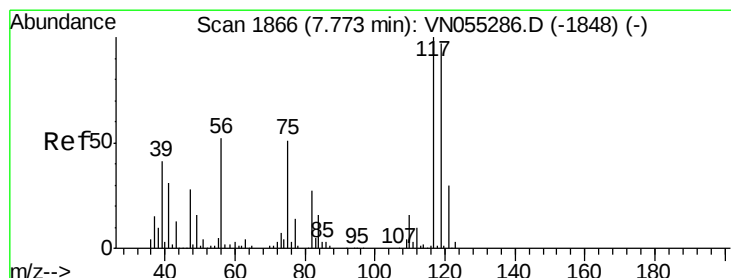
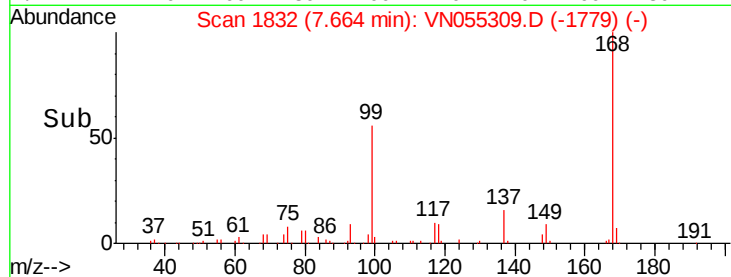
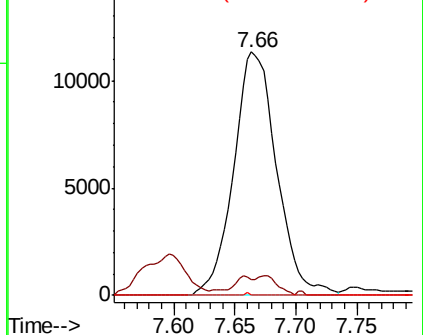
#36
 1,1-Dichloropropene
 Concen: 4.605 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 27679
 Ion Ratio Lower Upper
 75 100
 110 3.1 16.8 50.4#
 77 0.1 25.0 37.6#

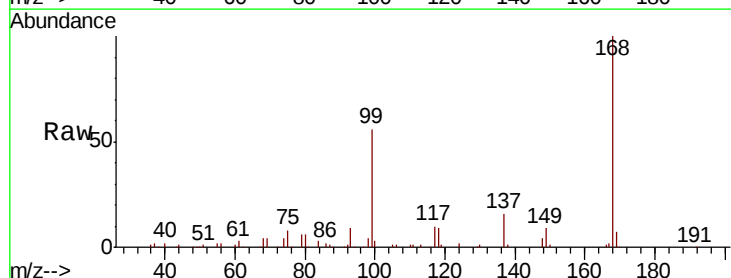


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

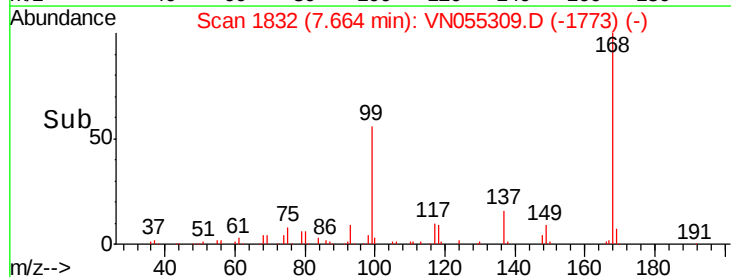
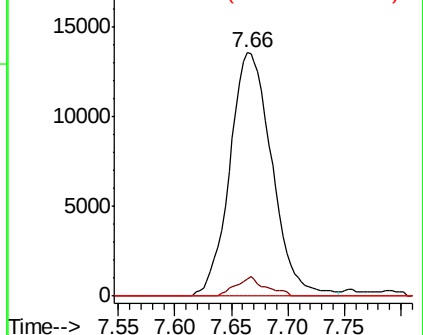


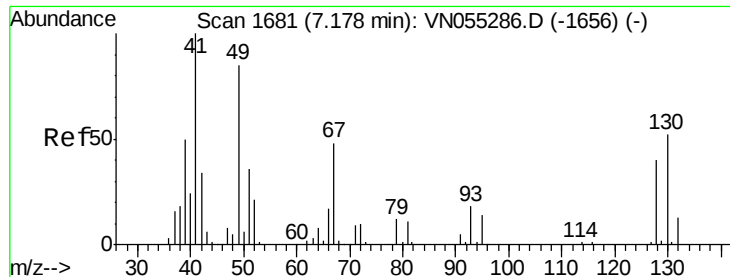
#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Tgt Ion: 117 Resp: 35148
 Ion Ratio Lower Upper
 117 100
 119 6.9 77.0 115.6#
 121 0.0 23.8 35.8#



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

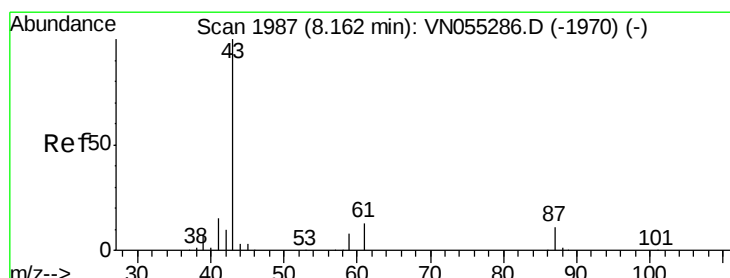
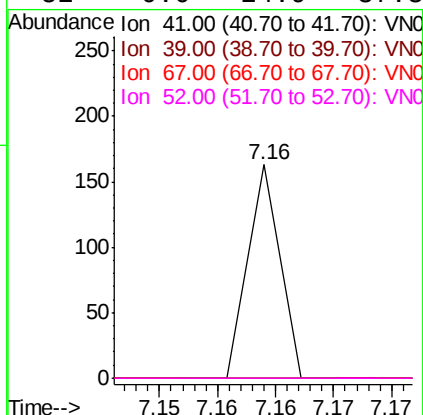
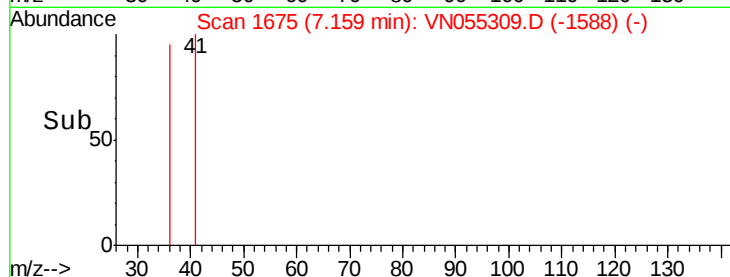
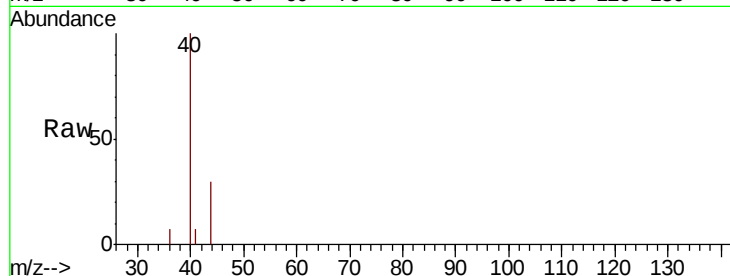




#41
Methacrylonitrile
Concen: 0.752 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

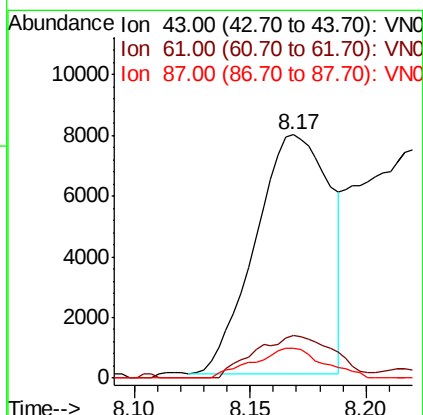
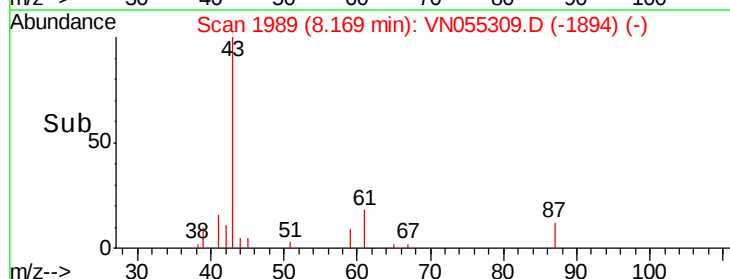
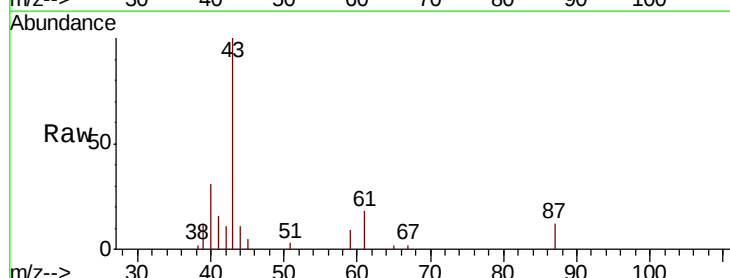
Instrument :
MSVOA_N
ClientSampled :

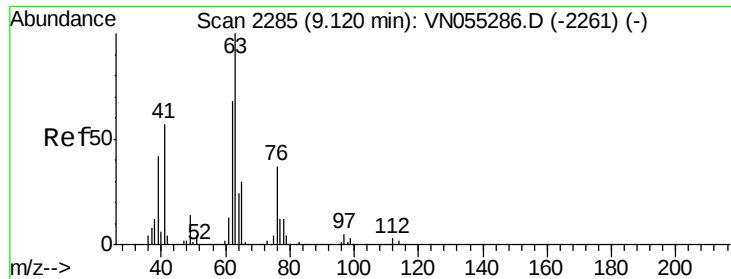
Tot Ion: 41 Resp: 31
Ion Ratio Lower Upper
41 100
39 0.0 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.376 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion: 43 Resp: 17588
Ion Ratio Lower Upper
43 100
61 18.9 20.8 31.2#
87 11.7 8.5 12.7





#45

1,2-Dichloropropane

Concen: 0.403 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

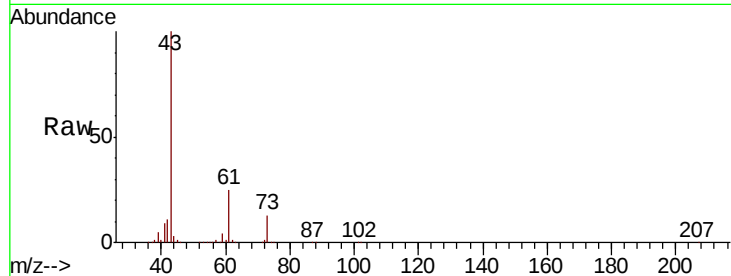
ClientSampled :

Tot Ion: 63 Resp: 2060

Ion Ratio Lower Upper

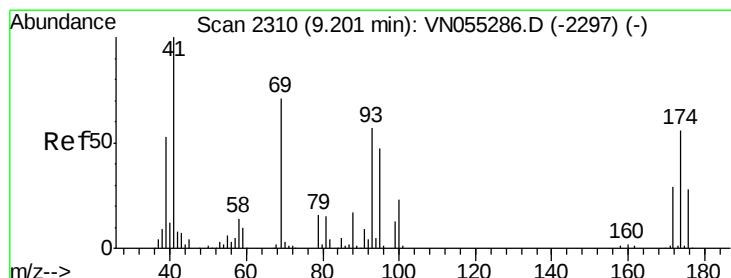
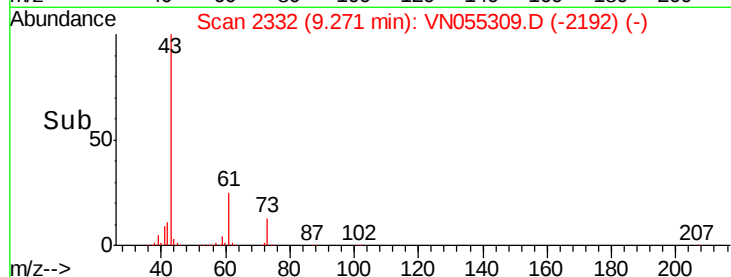
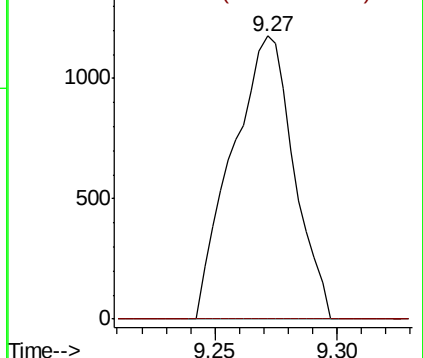
63 100

65 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 2.457 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

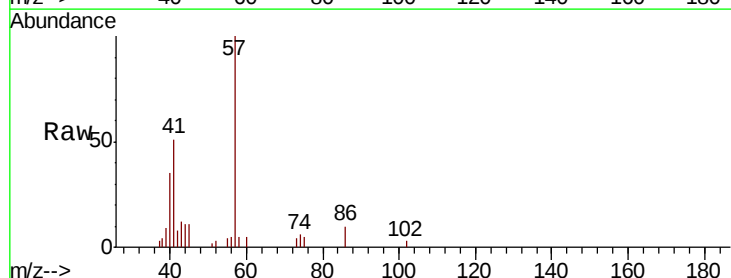
Tgt Ion: 41 Resp: 8942

Ion Ratio Lower Upper

41 100

69 0.0 58.6 87.8#

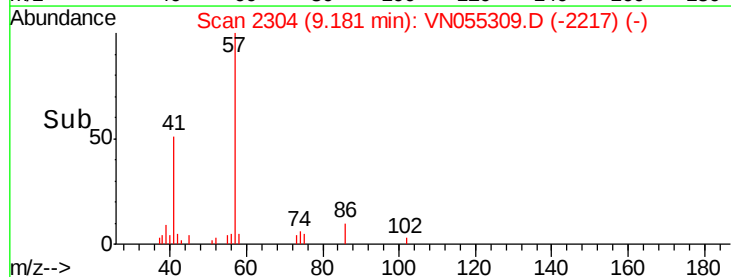
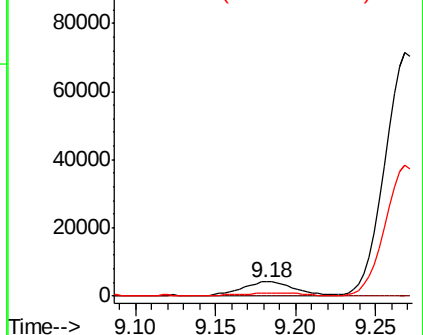
39 0.0 43.8 65.6#

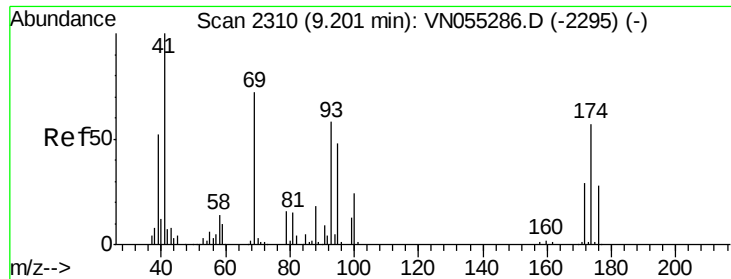


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

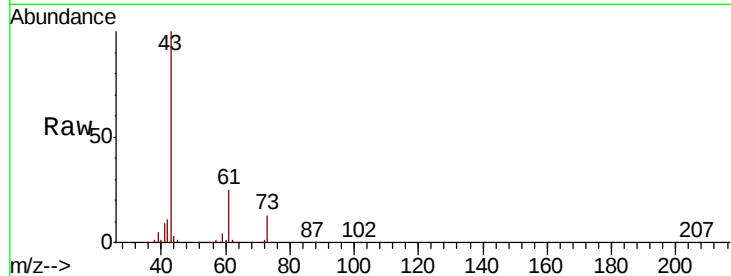




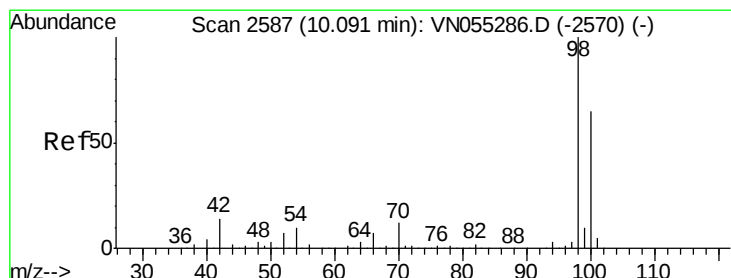
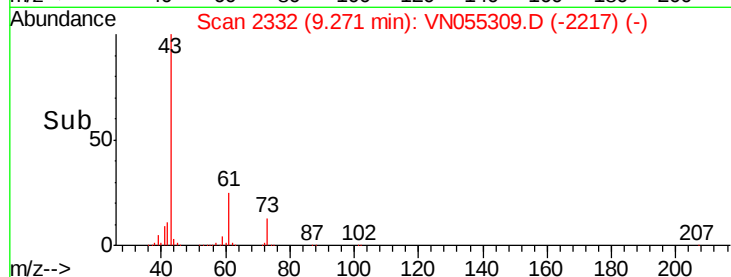
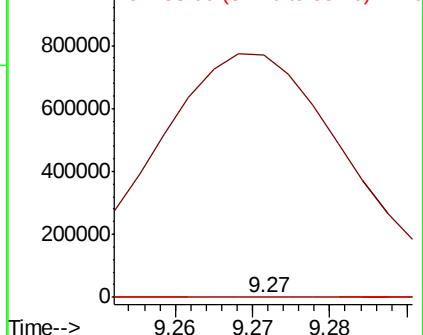
#49
1,4-Dioxane
Concen: 2.685 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 1454370.3 33.3 49.9#
58 6560.4 62.7 94.1#

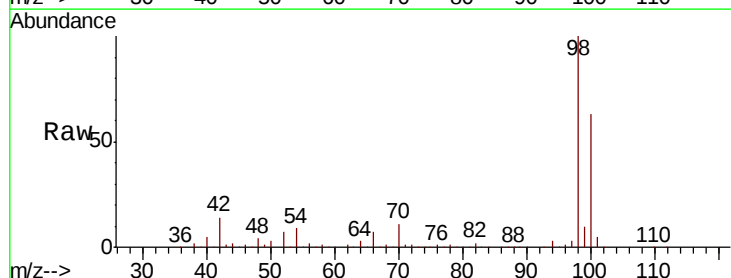


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

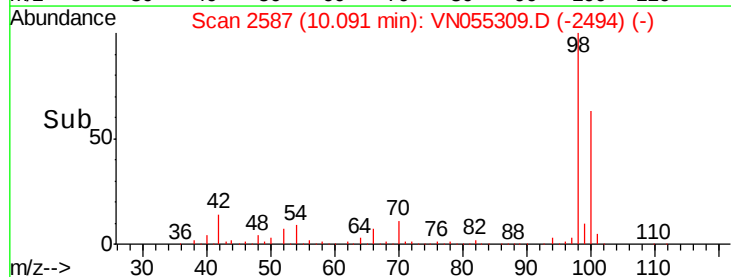
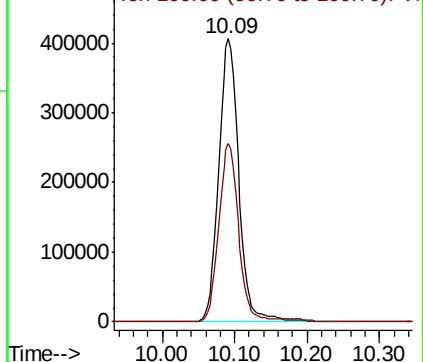


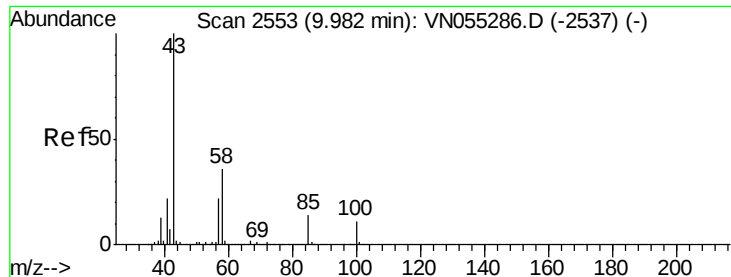
#50
Toluene-d8
Concen: 52.504 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion: 98 Resp: 780870
Ion Ratio Lower Upper
98 100
100 62.8 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: 1.480 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

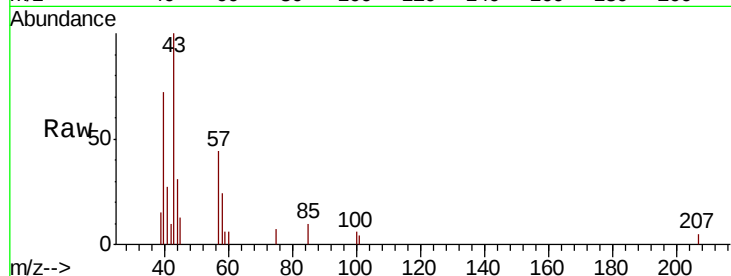
ClientSampled :

Tot Ion: 43 Resp: 6169

Ion Ratio Lower Upper

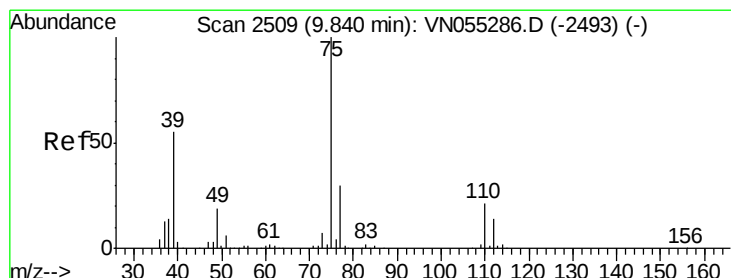
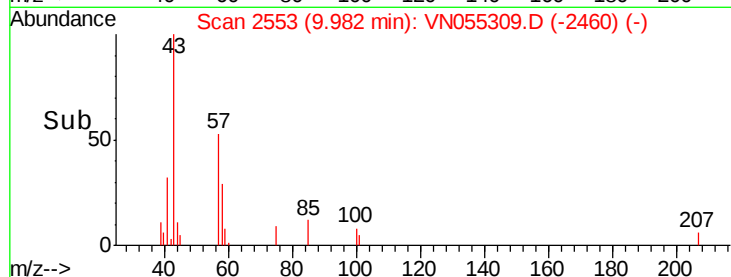
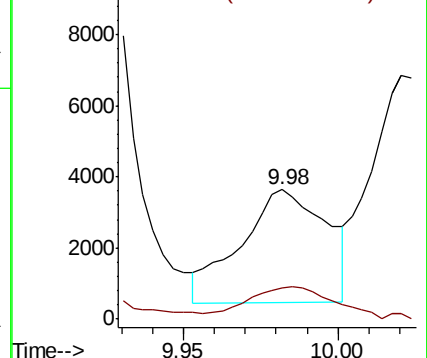
43 100

58 28.6 28.5 42.7



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: 9.095 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

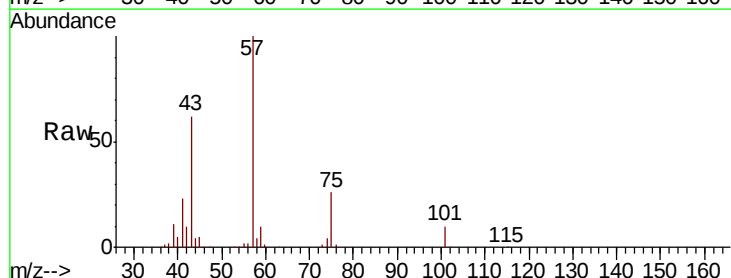
Tgt Ion: 75 Resp: 58992

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

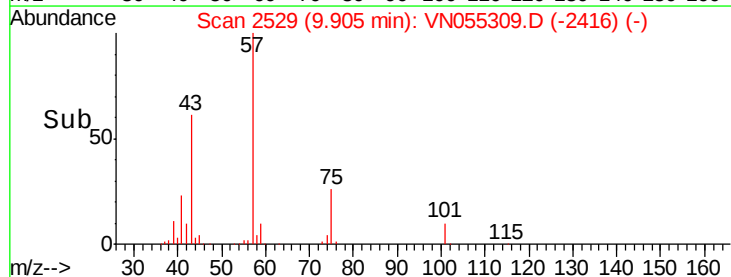
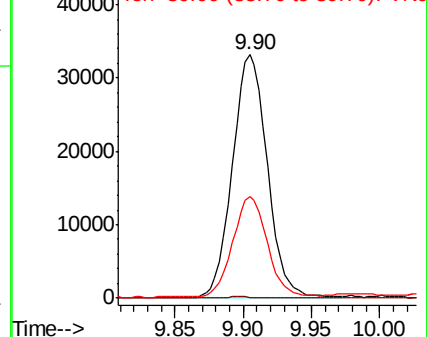
39 41.3 44.2 66.2#

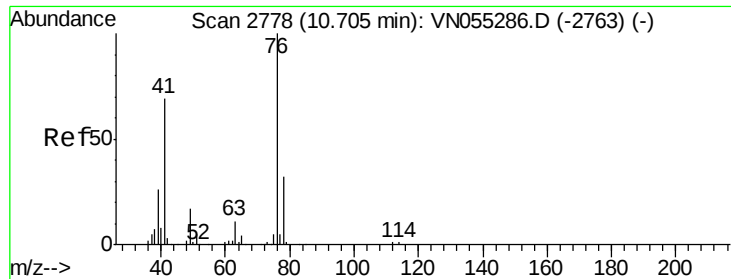


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

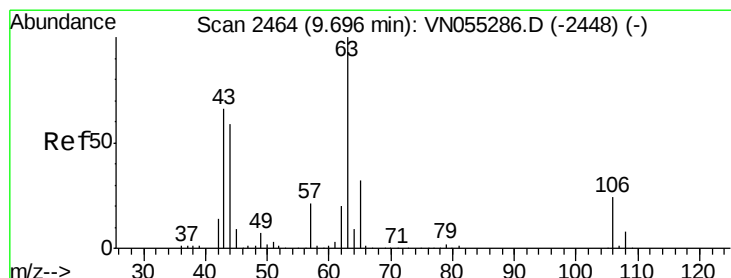
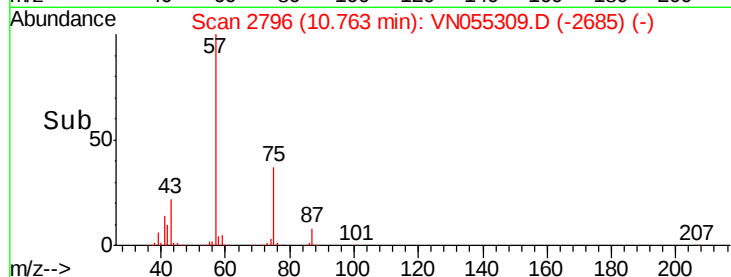
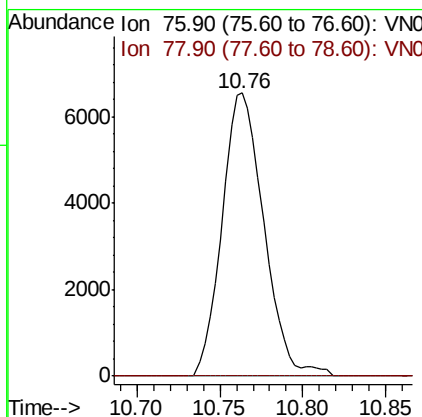
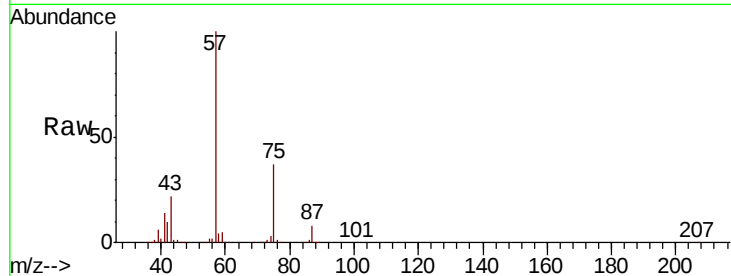




#57
 1,3-Dichloropropane
 Concen: 1.730 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

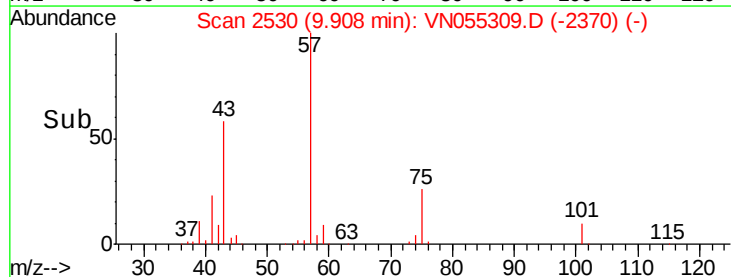
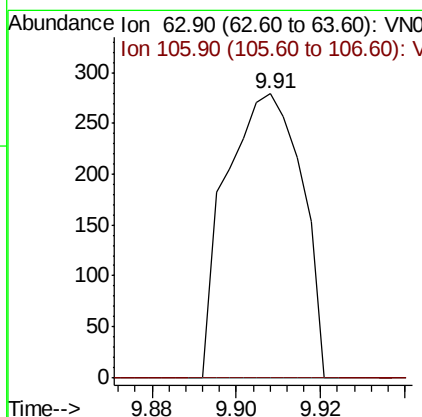
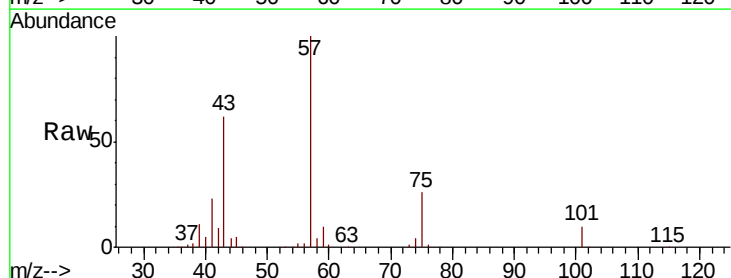
Instrument :
 MSVOA_N
 ClientSampled :

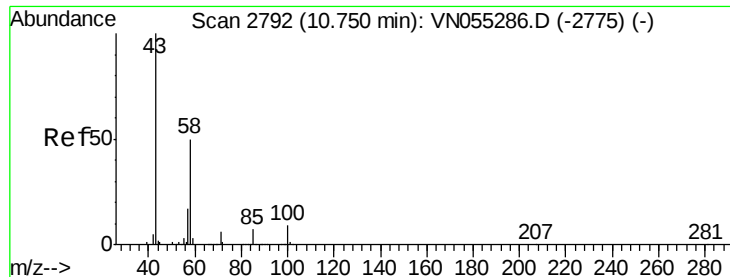
Tot Ion: 76 Resp: 11458
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.634 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.21 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Tgt Ion: 63 Resp: 347
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#

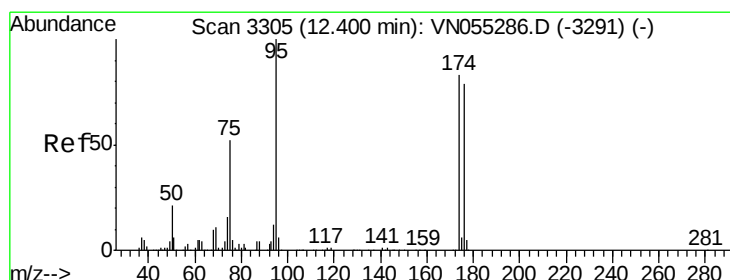
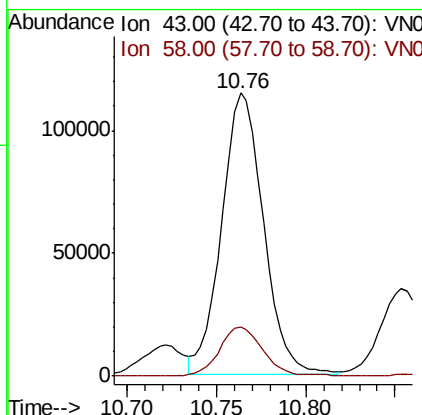
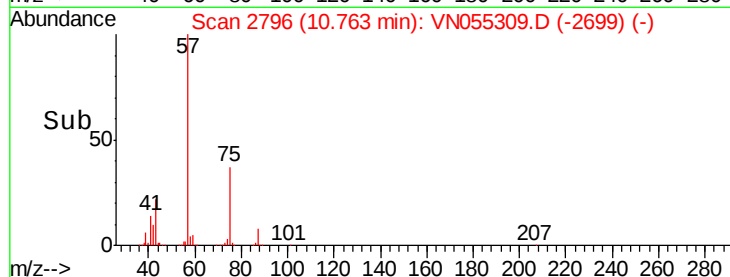
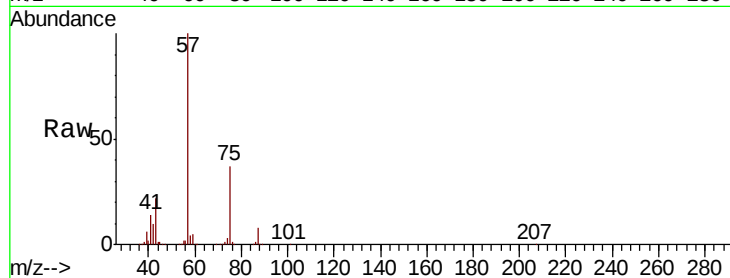




#59
2-Hexanone
Concen: 71.654 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

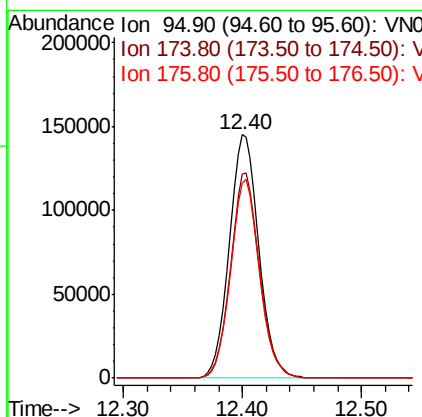
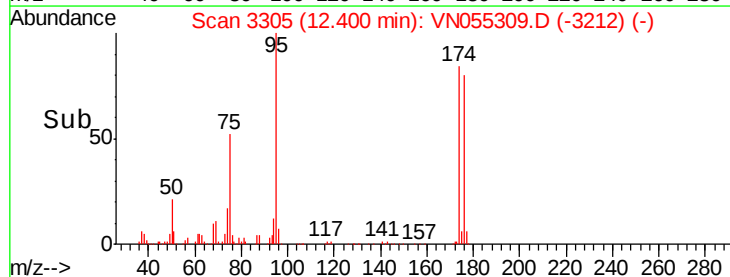
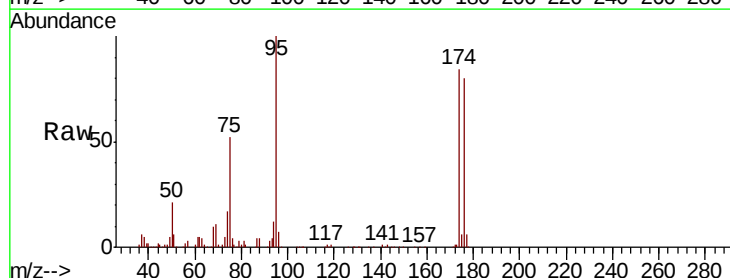
Instrument :
MSVOA_N
ClientSampled :

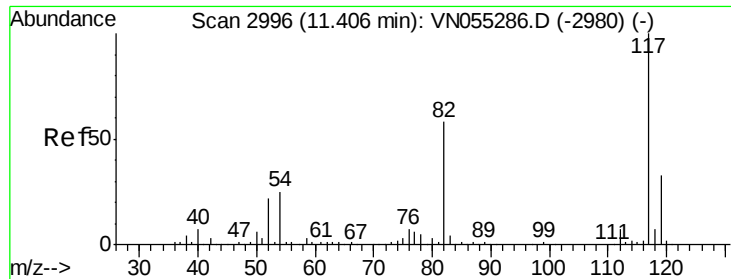
Tot Ion: 43 Resp: 186870
Ion Ratio Lower Upper
43 100
58 18.3 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.584 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion: 95 Resp: 249070
Ion Ratio Lower Upper
95 100
174 82.4 0.0 166.6
176 79.9 0.0 157.8

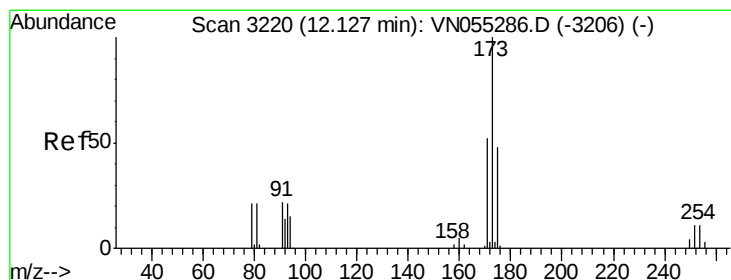
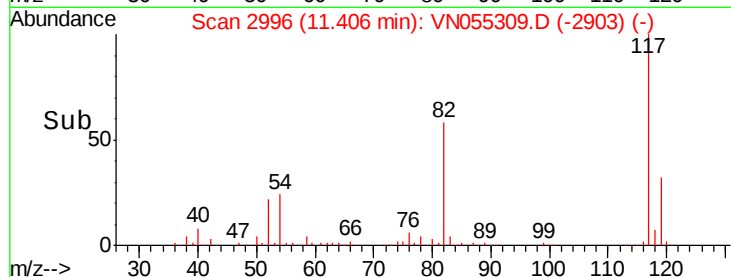
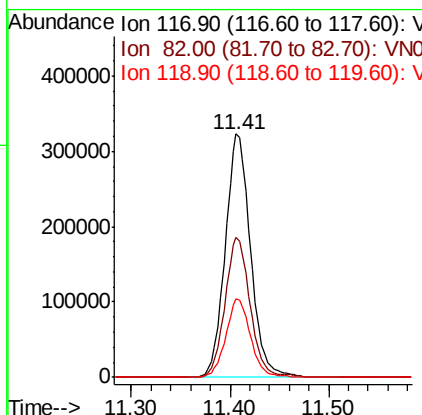
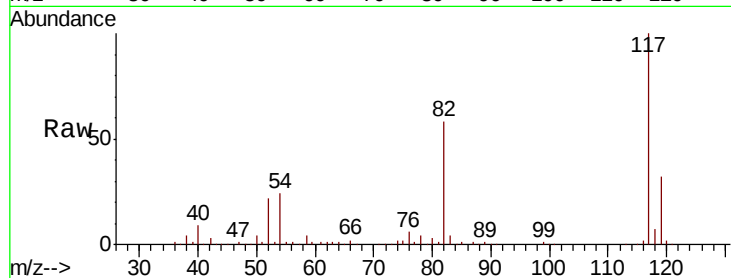




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

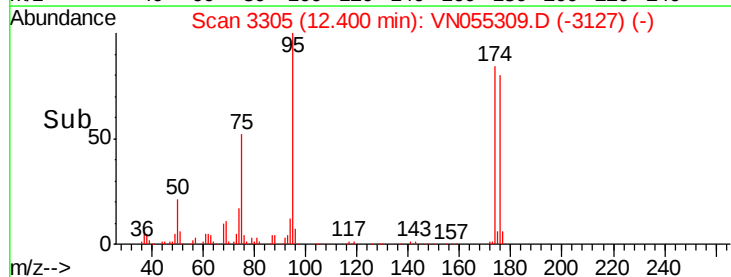
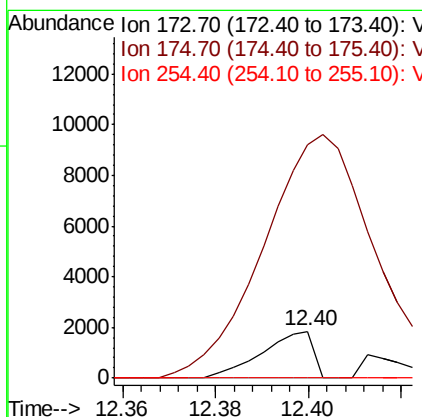
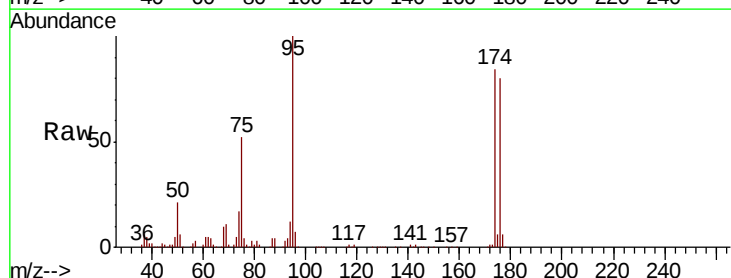
Instrument :
MSVOA_N
ClientSampled :

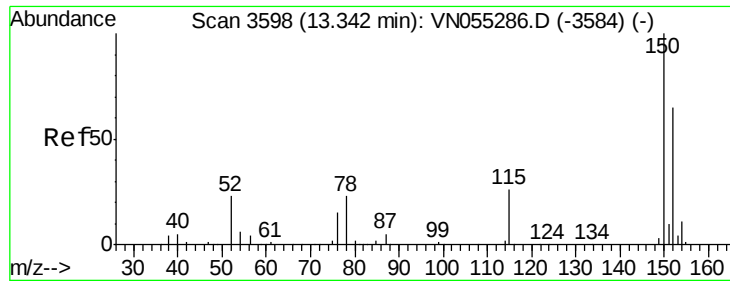
Tot Ion:117 Resp: 581187
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 32.1 26.6 40.0



#71
Bromoform
Concen: 0.574 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055309.D
Acq: 30 Apr 2019 15:36

Tgt Ion:173 Resp: 1417
Ion Ratio Lower Upper
173 100
175 964.4 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

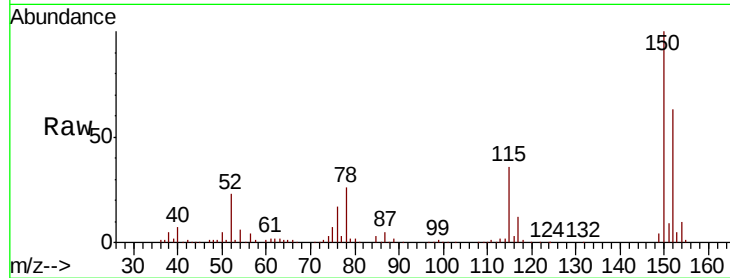
Tot Ion:152 Resp: 175023

Ion Ratio Lower Upper

152 100

115 58.1 29.0 87.0

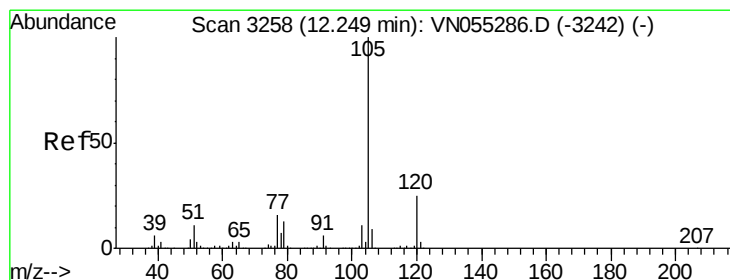
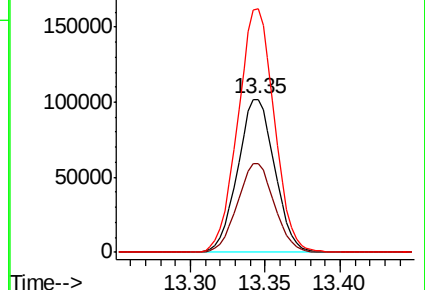
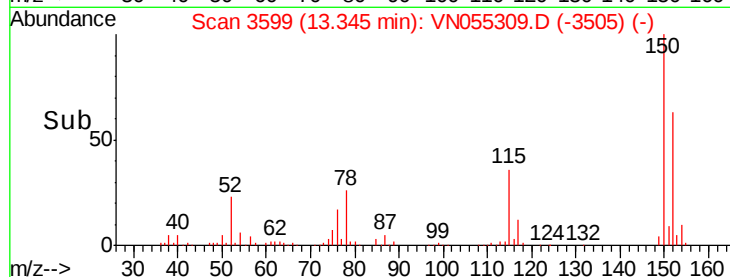
150 156.7 0.0 345.6



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# 3259

Delta R.T. 0.00 min

Lab File: VN055309.D

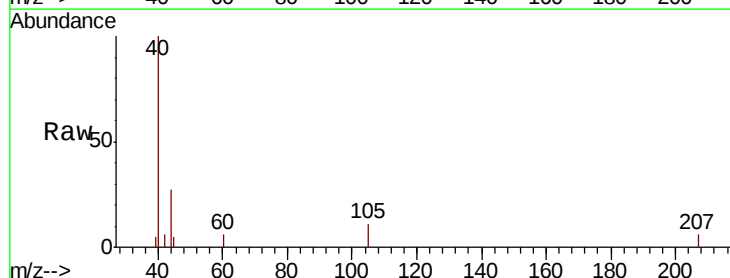
Acq: 30 Apr 2019 15:36

Tgt Ion:105 Resp: 512

Ion Ratio Lower Upper

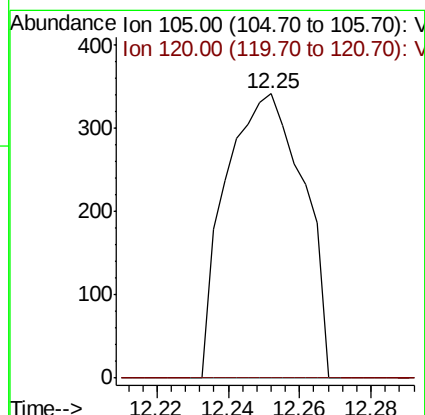
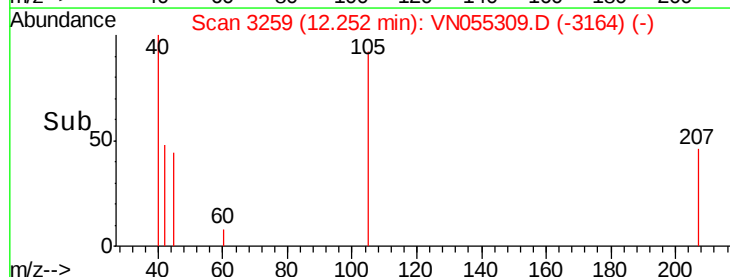
105 100

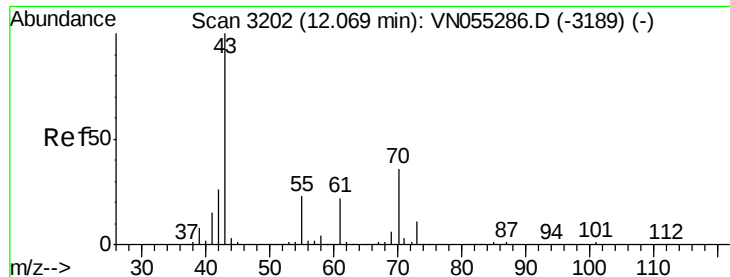
120 0.0 12.9 38.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.811 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055309.D

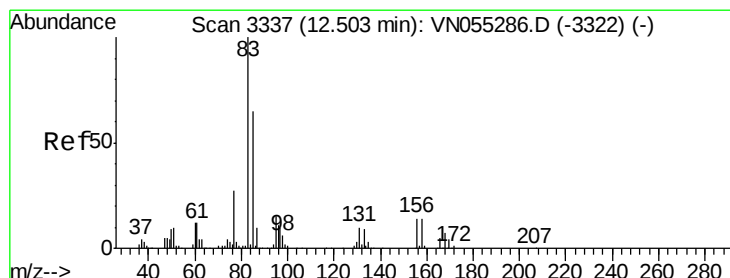
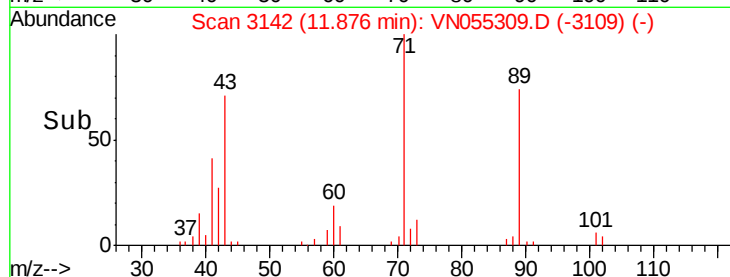
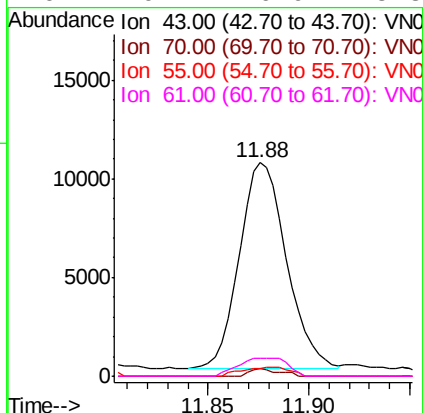
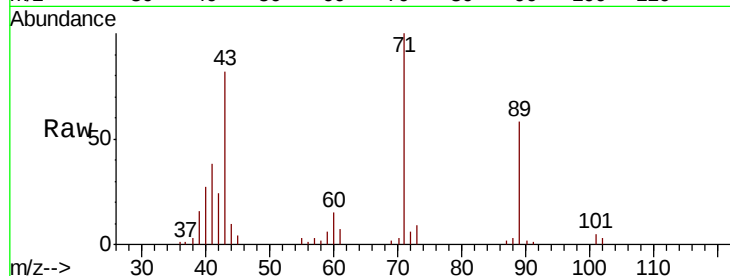
Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	17119
Ion	Ratio	Lower	Upper
43	100		
70	2.3	27.9	41.9#
55	4.4	18.2	27.2#
61	9.2	16.9	25.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

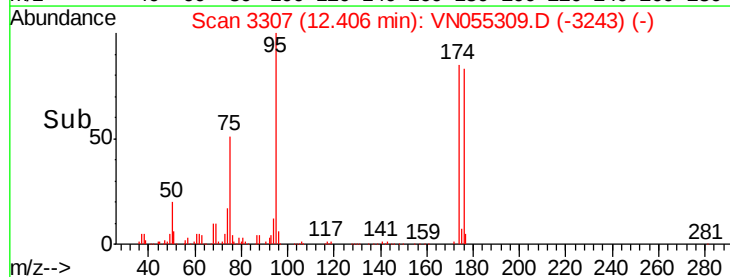
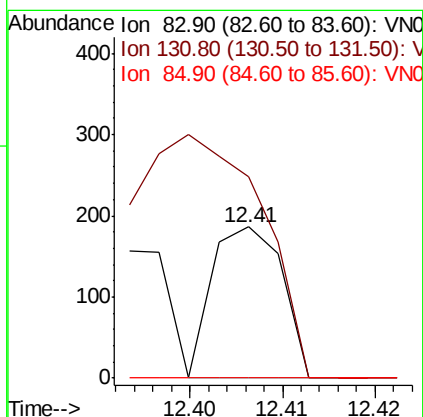
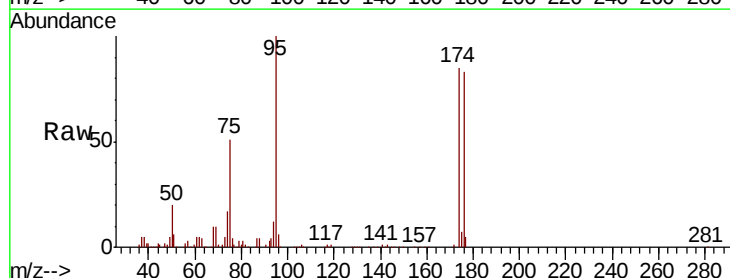
RT: 12.41 min Scan# 3307

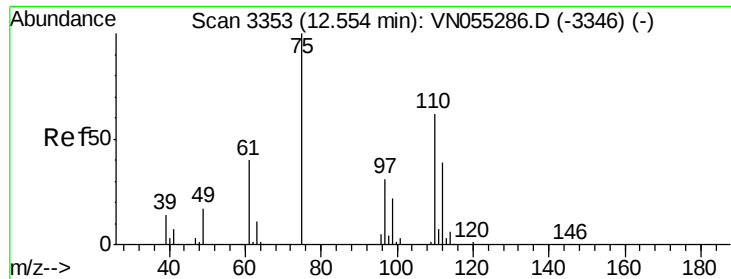
Delta R.T. -0.10 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Tgt Ion:	83	Resp:	98
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.2#
85	0.0	32.3	96.8#





#76

1,2,3-Trichloropropane

Concen: 38.909 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

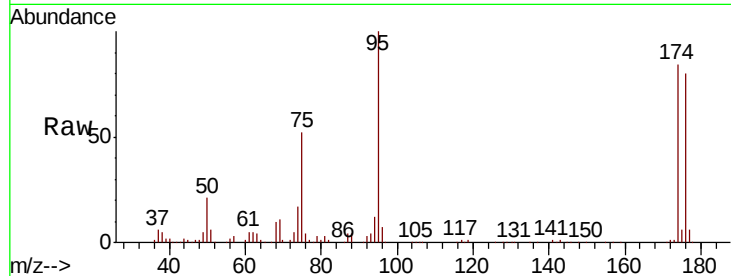
ClientSampleId :

Tot Ion: 75 Resp: 128396

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)

12.40

80000

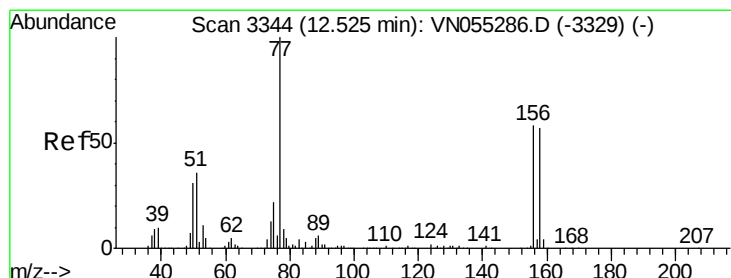
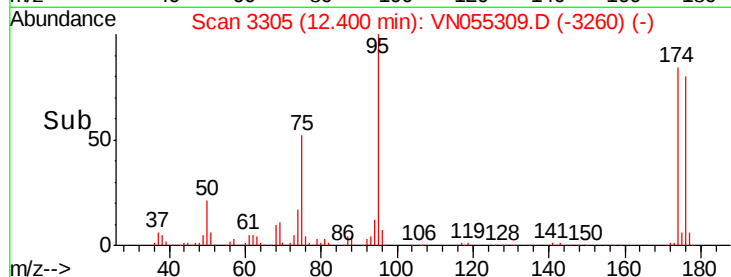
60000

40000

20000

0

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

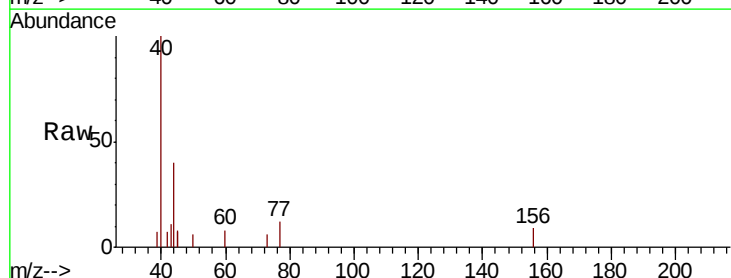
Tgt Ion: 156 Resp: 106

Ion Ratio Lower Upper

156 100

77 241.5 99.6 298.8

158 0.0 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): VN055286.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055286.D (-3329) (-)

12.53

400

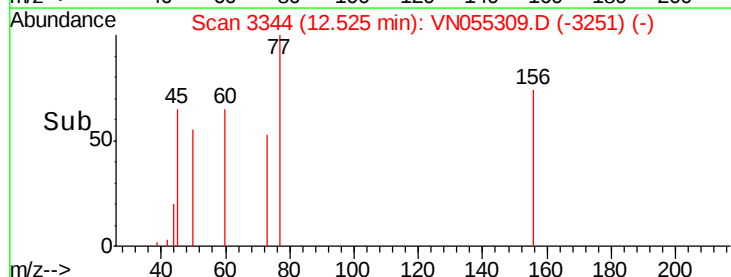
300

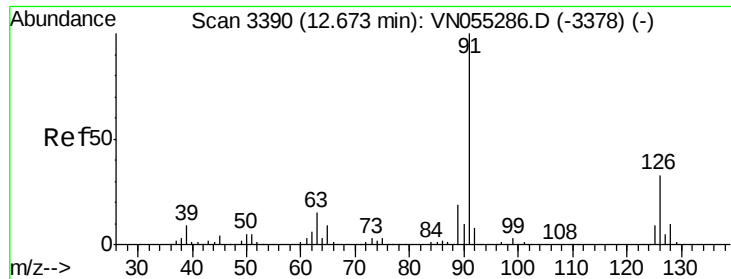
200

100

0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

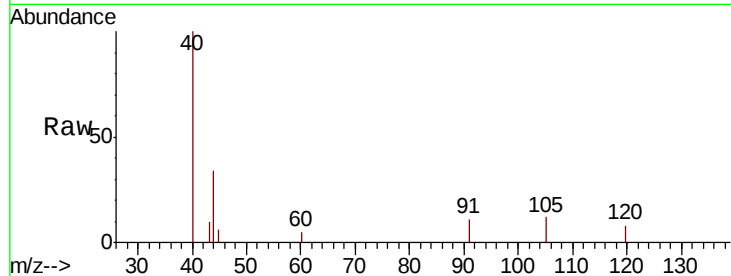
ClientSampleId :

Tot Ion: 91 Resp: 407

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.68

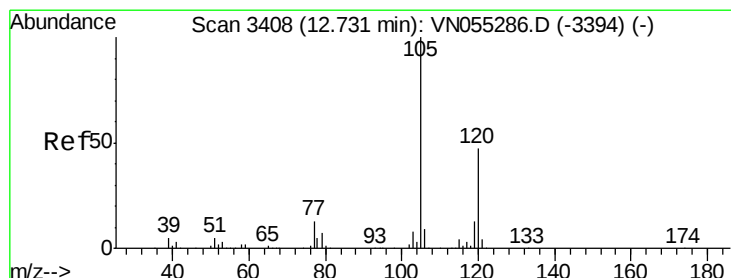
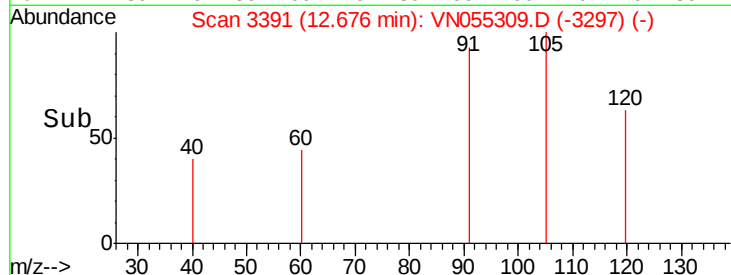
300

200

100

0

Time--> 12.64 12.66 12.68 12.70



#80

1,3,5-Trimethylbenzene

Concen: 0.213 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055309.D

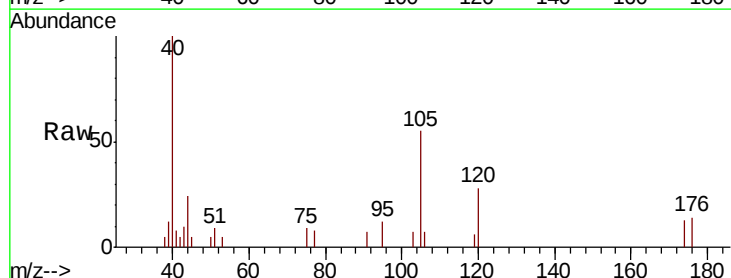
Acq: 30 Apr 2019 15:36

Tgt Ion:105 Resp: 2923

Ion Ratio Lower Upper

105 100

120 49.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.73

2000

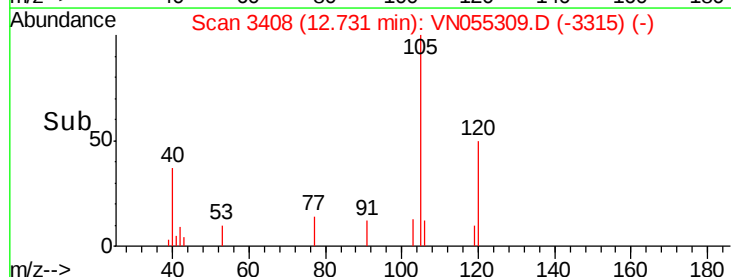
1500

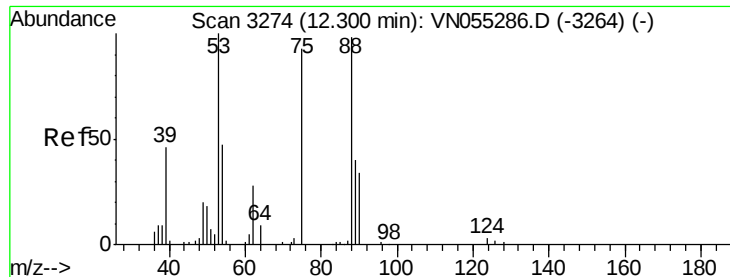
1000

500

0

Time--> 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 139.021 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

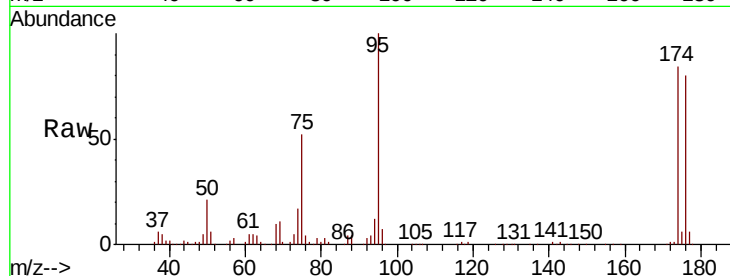
Tot Ion: 75 Resp: 128396

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

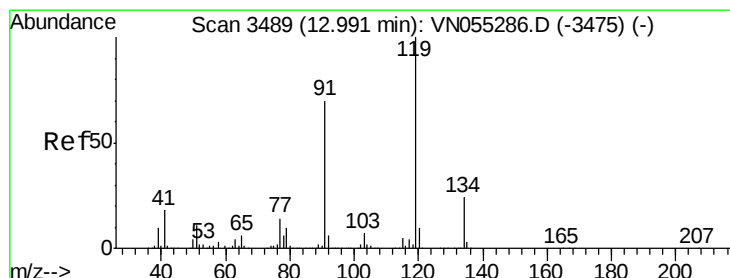
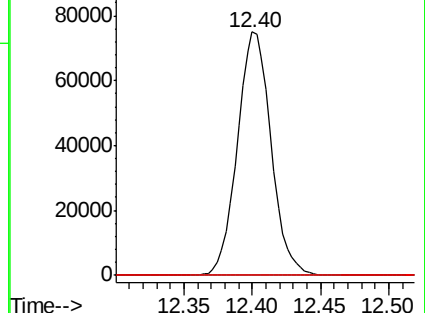
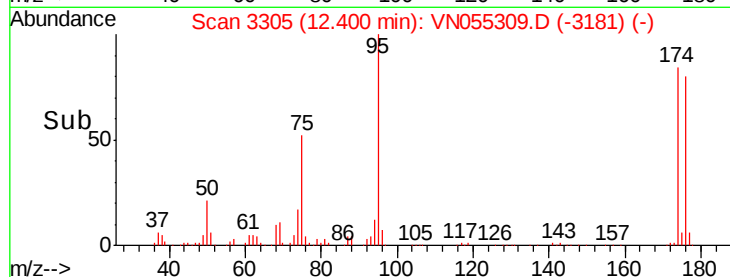
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055309.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055309.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055309.D (-3181) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.03 min Scan# 3502

Delta R.T. 0.04 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

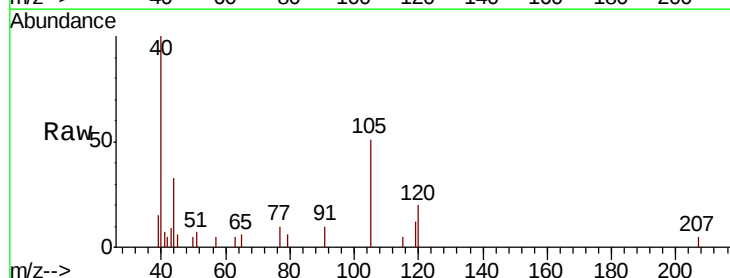
Tgt Ion: 119 Resp: 448

Ion Ratio Lower Upper

119 100

91 101.8 34.3 102.9

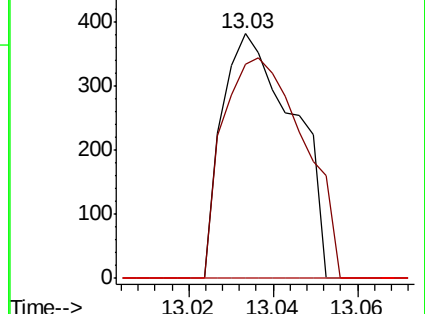
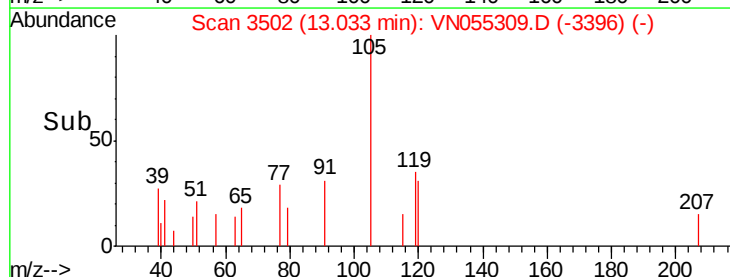
134 0.0 13.1 39.3#

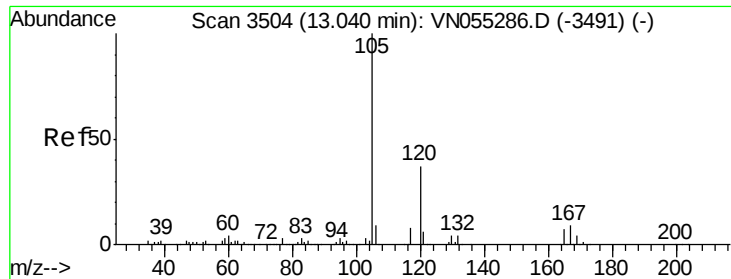


Abundance Ion 119.00 (118.70 to 119.70): VN055309.D (-3396) (-)

Ion 91.00 (90.70 to 91.70): VN055309.D (-3396) (-)

Ion 134.00 (133.70 to 134.70): VN055309.D (-3396) (-)

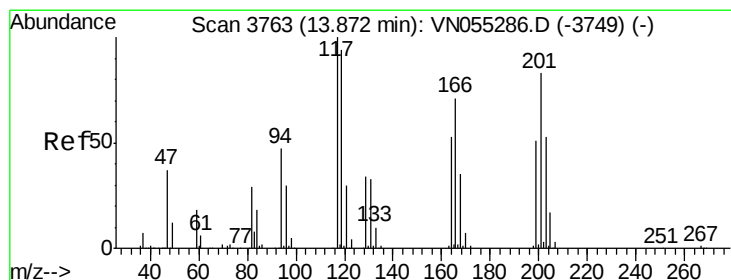
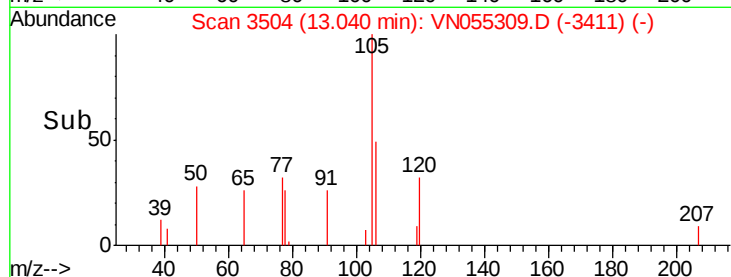
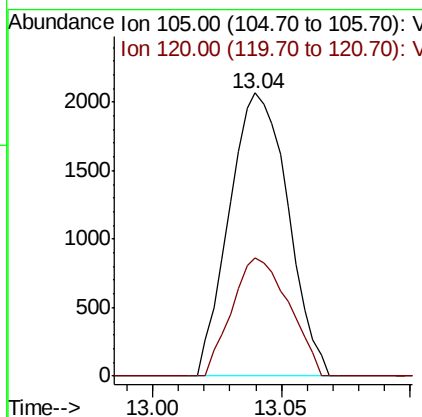
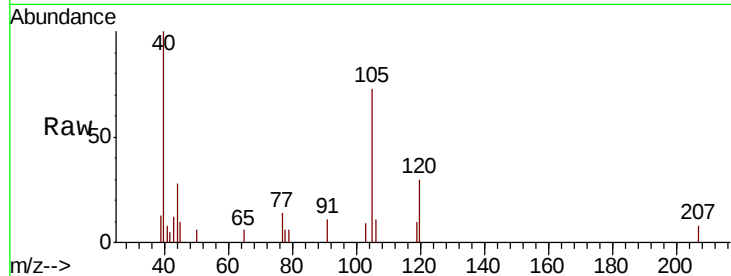




#84
 1,2,4-Trimethylbenzene
 Concen: 0.267 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

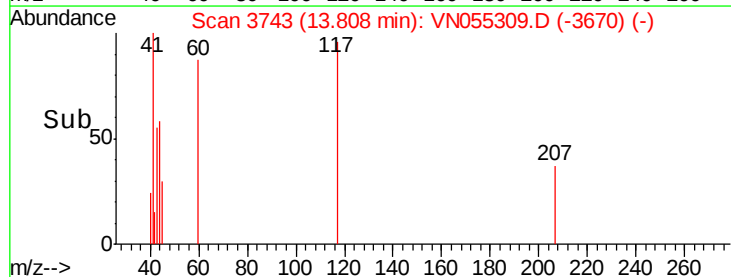
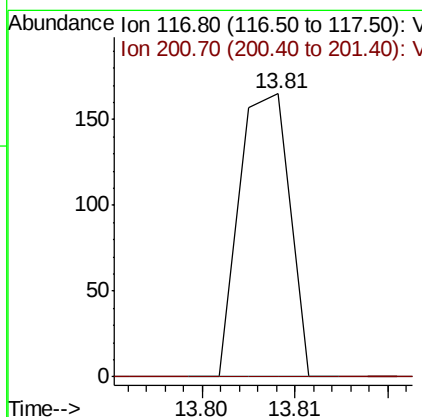
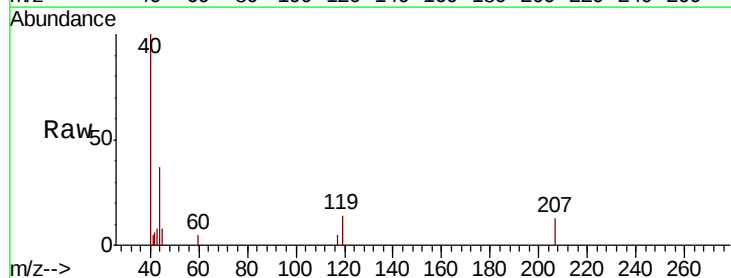
Instrument :
 MSVOA_N
 ClientSampled :

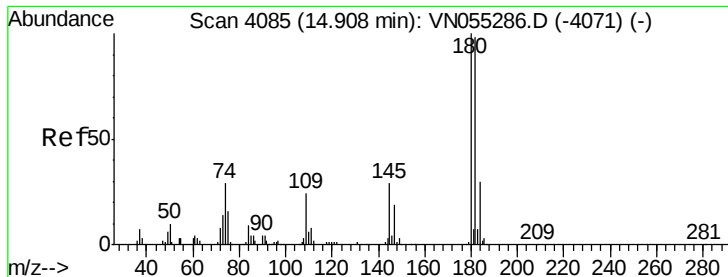
Tot Ion:105 Resp: 3271
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.1 66.5



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.06 min
 Lab File: VN055309.D
 Acq: 30 Apr 2019 15:36

Tgt Ion:117 Resp: 62
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.9 125.8#





#93

1,2,4-Trichlorobenzene

Concen: 3.447 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055309.D

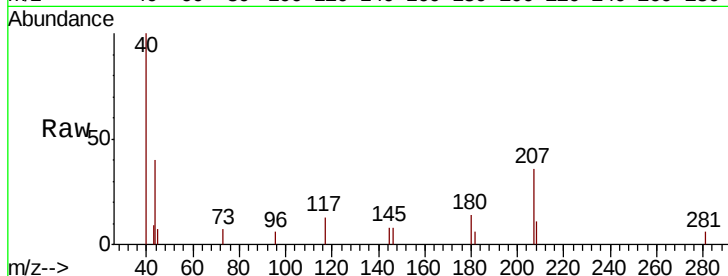
Acq: 30 Apr 2019 15:36

Instrument :

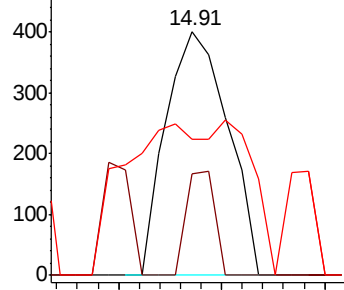
MSVOA_N

ClientSampled :

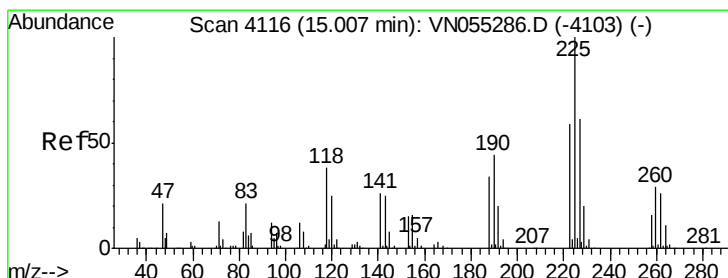
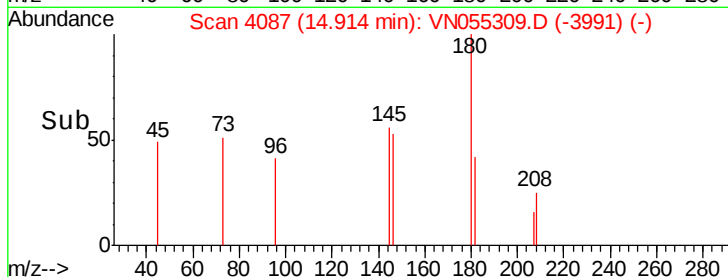
Tot Ion:180 Resp: 333
 Ion Ratio Lower Upper
 180 100
 182 19.8 48.3 144.9#
 145 73.6 14.2 42.6#



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



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

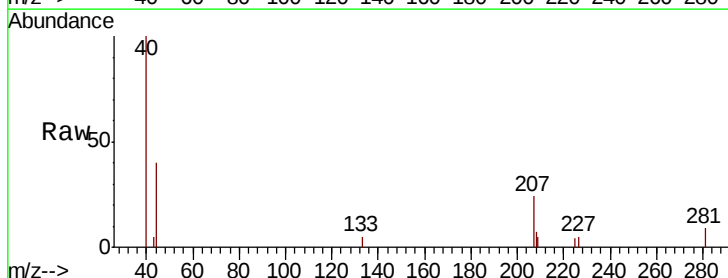
RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

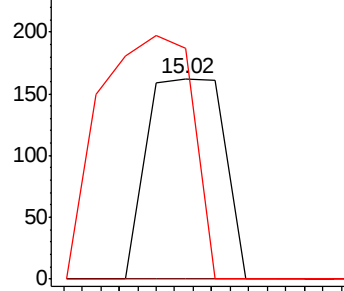
Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

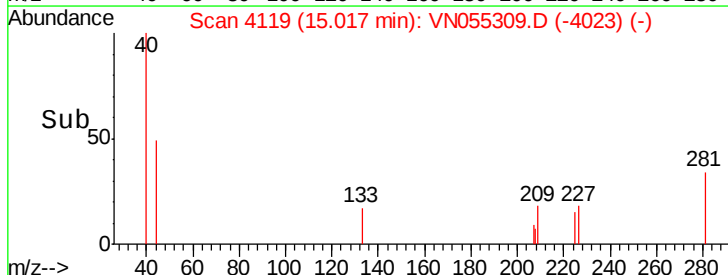
Tgt Ion:225 Resp: 93
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.3 90.8#
 227 148.4 30.9 92.7#

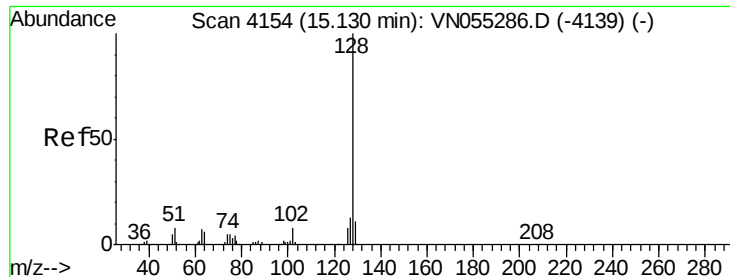


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 3.831 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

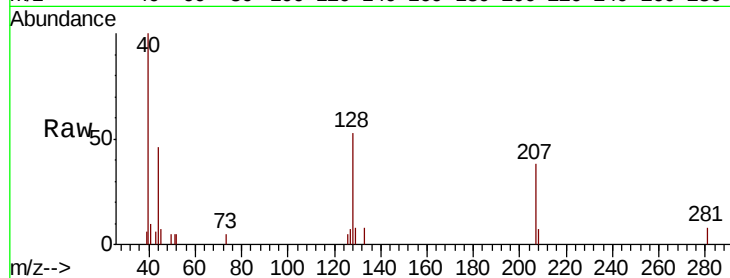
Tot Ion:128 Resp: 2619

Ion Ratio Lower Upper

128 100

127 5.8 10.7 16.1#

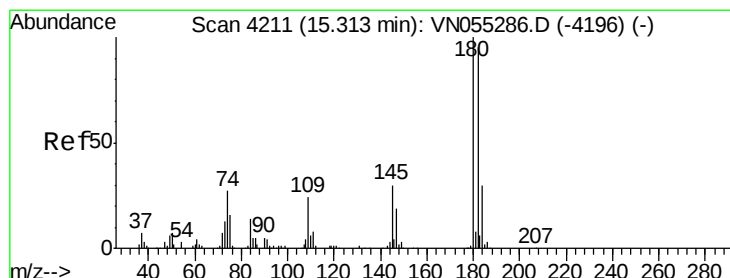
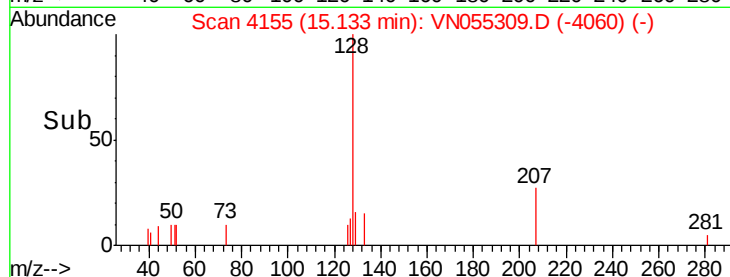
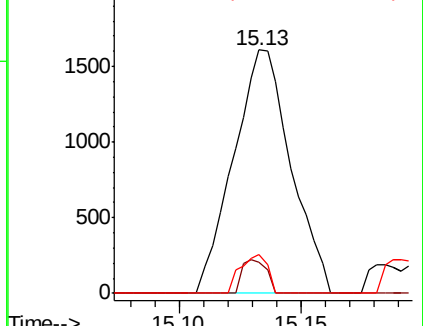
129 7.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.715 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055309.D

Acq: 30 Apr 2019 15:36

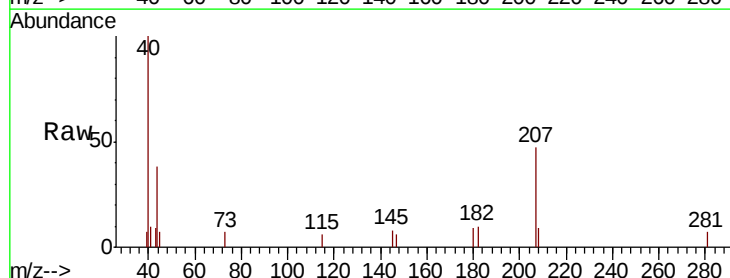
Tgt Ion:180 Resp: 244

Ion Ratio Lower Upper

180 100

182 109.4 48.3 144.9

145 130.3 15.2 45.6#



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

