

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056351.D
 Acq On : 18 Jun 2019 9:22
 Operator : JC/SP
 Sample : VN0618MBL01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:57:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	322723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	531491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	509437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	185604	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.59	113	161944	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	10.09	98	654685	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.40	95	199839	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

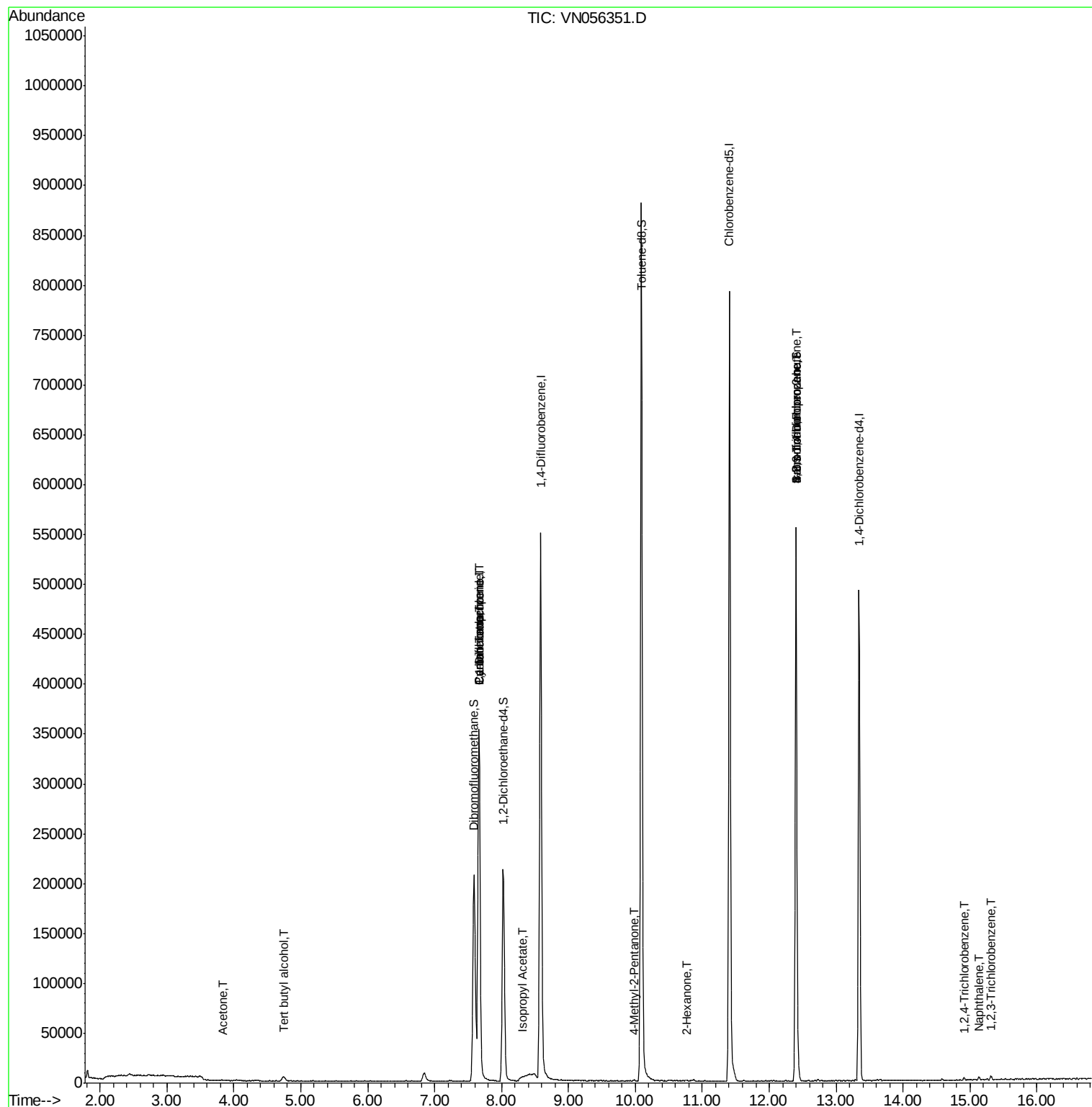
					Qvalue	
11) Tert butyl alcohol	4.74	59	4622	8.095	ug/l #	73
16) Acetone	3.83	43	1794	0.895	ug/l	97
18) Methyl Acetate	4.33	43	845	Below Cal	#	86
31) Cyclohexane	7.66	56	5608	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20804	4.350	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27155	5.915	ug/l #	17
43) Isopropyl Acetate	8.30	43	3733	0.515	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	1192	0.258	ug/l #	66
59) 2-Hexanone	10.76	43	1503	0.439	ug/l #	57
71) Bromoform	12.40	173	1573	0.524	ug/l #	1
73) Isopropylbenzene	12.25	105	458	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	93913	29.494	ug/l #	100
77) Bromobenzene	12.53	156	58	Below Cal	#	11
79) 2-Chlorotoluene	12.68	91	283	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	93913	91.634	ug/l #	13
83) tert-Butylbenzene	12.99	119	529	Below Cal	#	78
93) 1,2,4-Trichlorobenzene	14.91	180	1197	5.720	ug/l #	92
94) Hexachlorobutadiene	15.01	225	170	Below Cal	#	55
95) Naphthalene	15.14	128	3611	5.141	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1755	4.403	ug/l	88

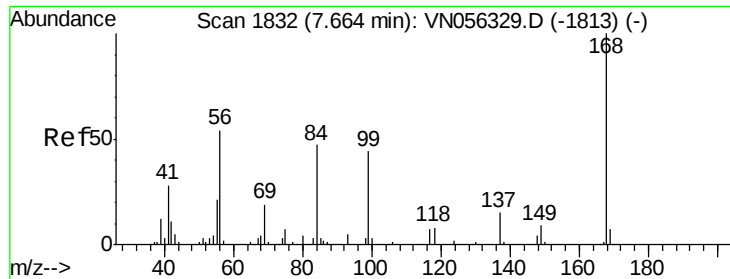
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061819\
Data File : VN056351.D
Acq On : 18 Jun 2019 9:22
Operator : JC/SP
Sample : VN0618MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 19 01:57:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

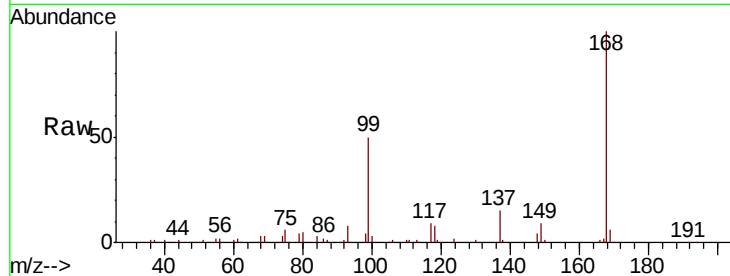
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 322723

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN056329.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1813) (-)

7.66

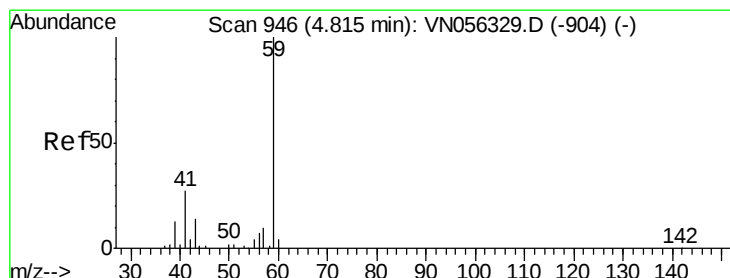
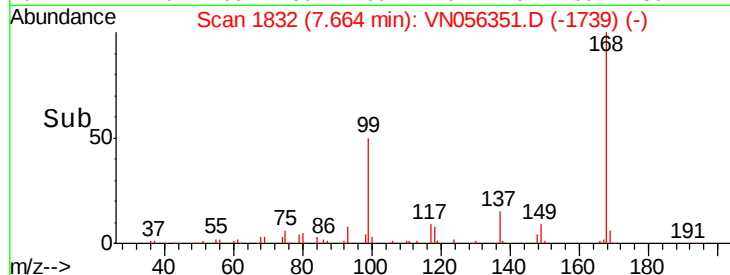
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 8.095 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.07 min

Lab File: VN056351.D

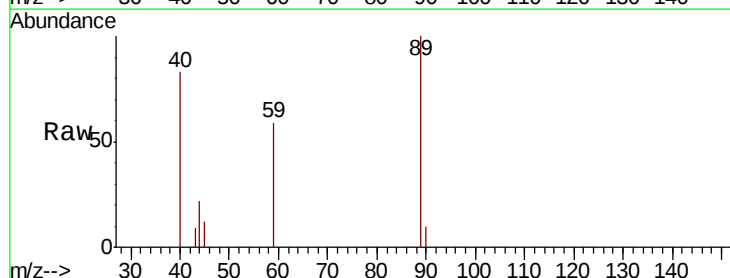
Acq: 18 Jun 2019 9:22

Tgt Ion: 59 Resp: 4622

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VN056329.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN056329.D (-904) (-)

4.74

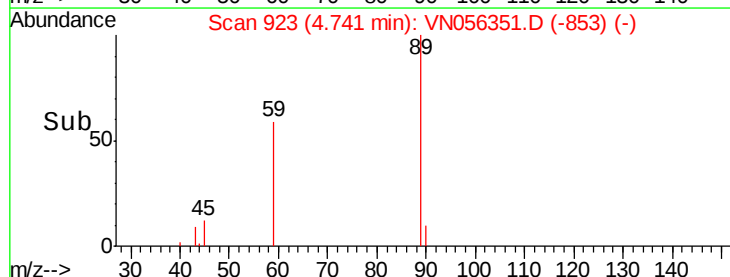
1500

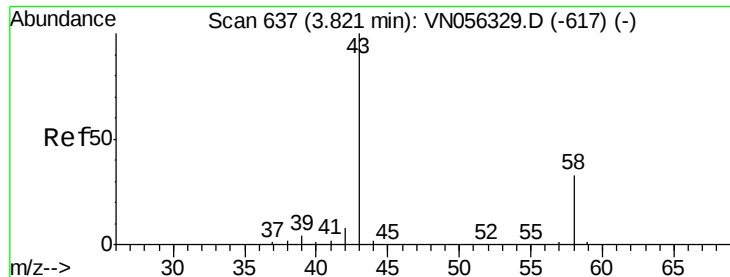
1000

500

0

Time--> 4.65 4.70 4.75 4.80





#16

Acetone

Concen: 0.895 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

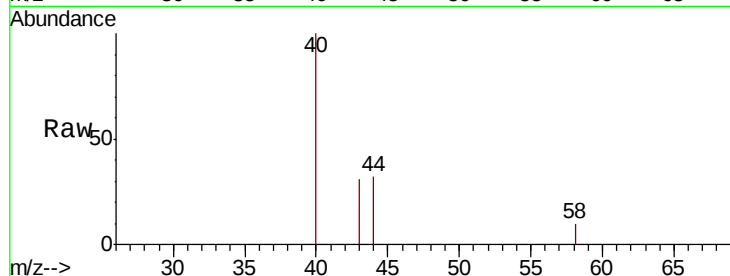
ClientSampleId :

Tot Ion: 43 Resp: 1794

Ion Ratio Lower Upper

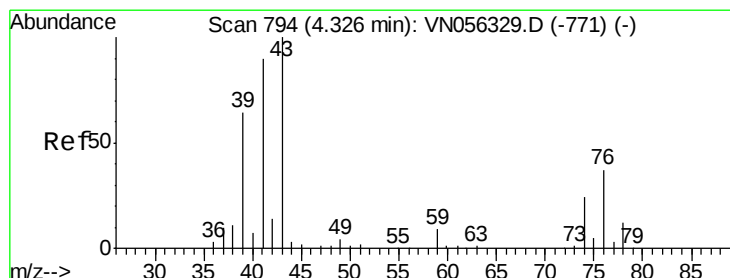
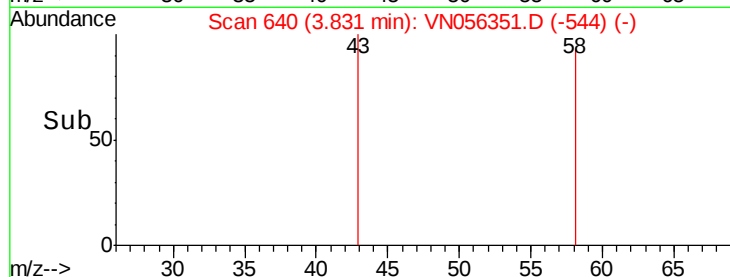
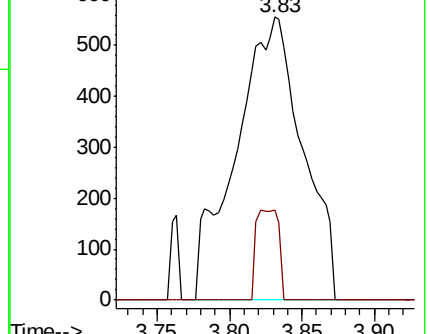
43 100

58 31.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056351.D

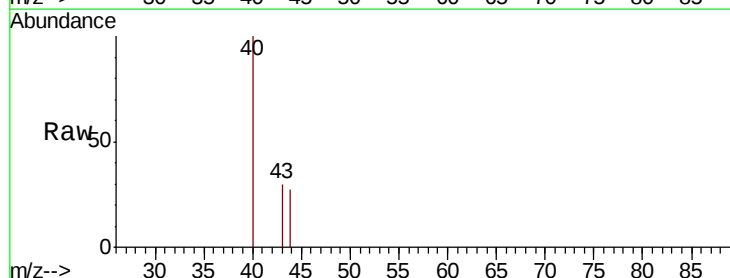
Acq: 18 Jun 2019 9:22

Tgt Ion: 43 Resp: 845

Ion Ratio Lower Upper

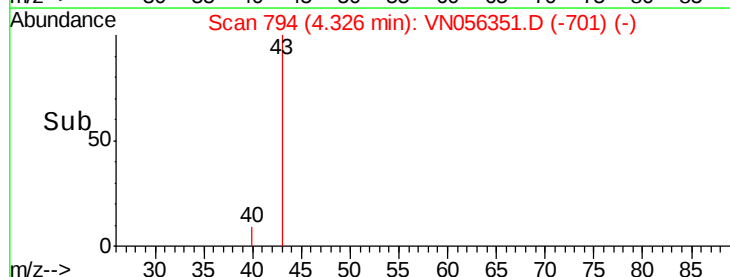
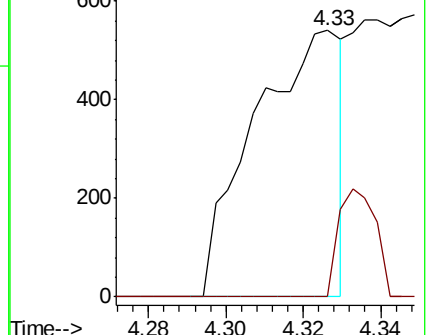
43 100

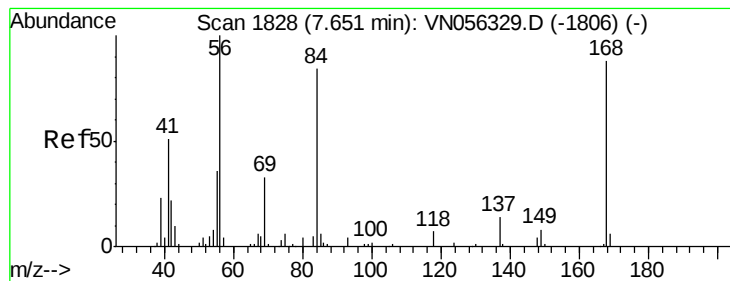
74 17.2 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 1.003 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

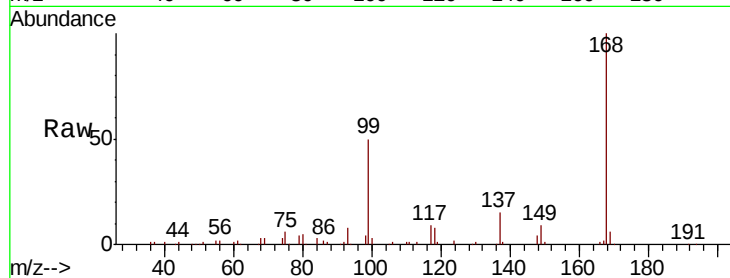
Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

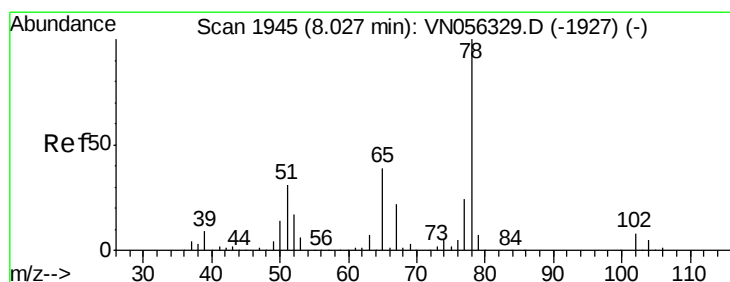
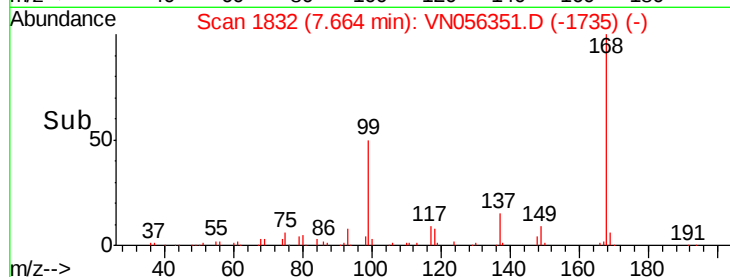
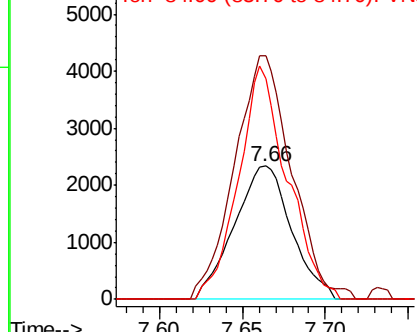
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5608

Ion	Ratio	Lower	Upper
56	100		
69	182.5	26.0	39.0#
84	165.1	67.4	101.0#



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: 51.149 ug/l

RT: 8.02 min Scan# 1944

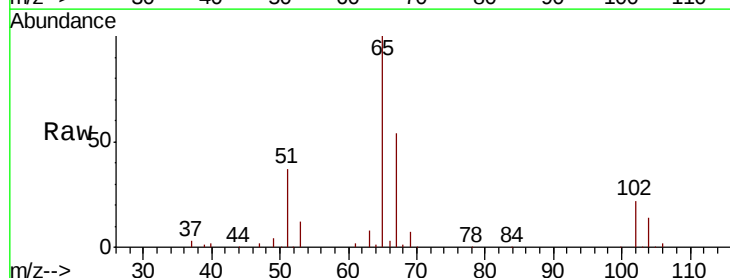
Delta R.T. -0.00 min

Lab File: VN056351.D

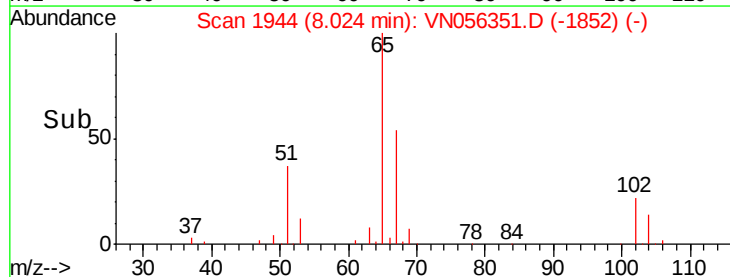
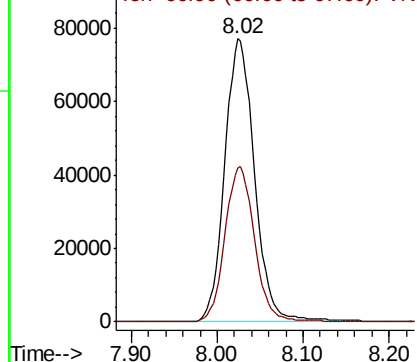
Acq: 18 Jun 2019 9:22

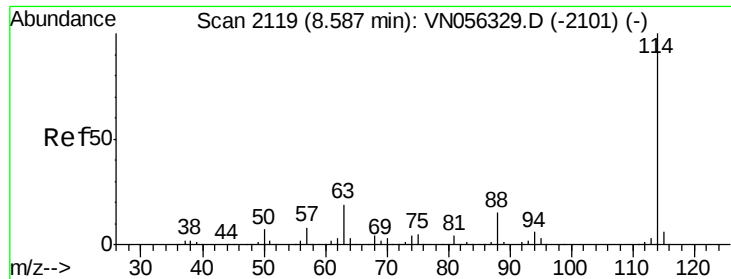
Tgt Ion: 65 Resp: 185604

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.8



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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :

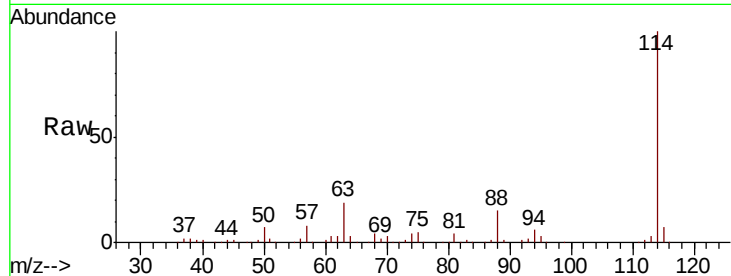
Tot Ion:114 Resp: 531491

Ion Ratio Lower Upper

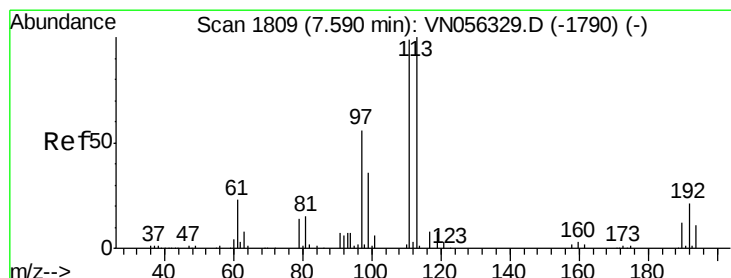
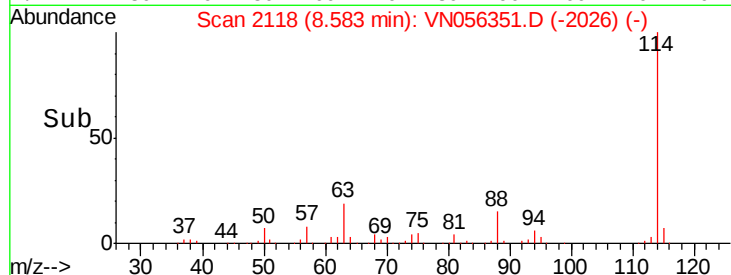
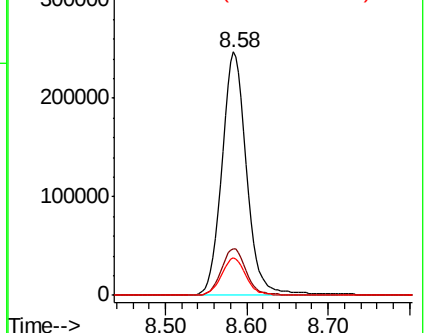
114 100

63 19.3 0.0 38.8

88 15.4 0.0 30.6



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



#35

Dibromofluoromethane

Concen: 47.514 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

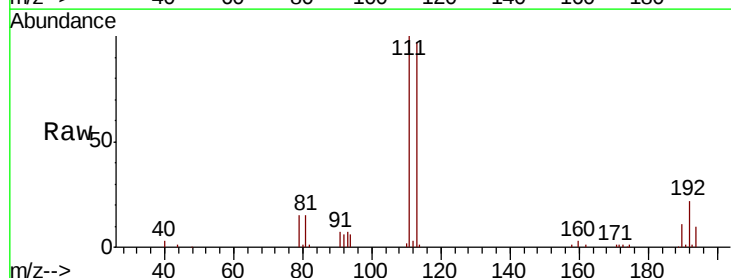
Tgt Ion:113 Resp: 161944

Ion Ratio Lower Upper

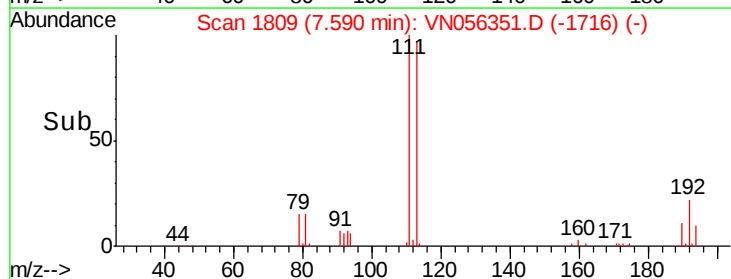
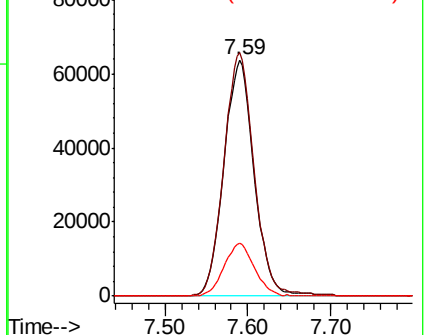
113 100

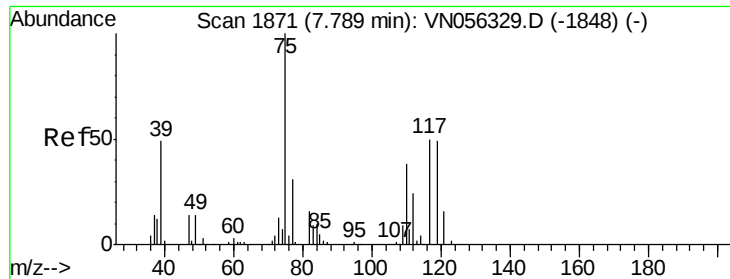
111 103.1 82.1 123.1

192 22.3 17.6 26.4



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

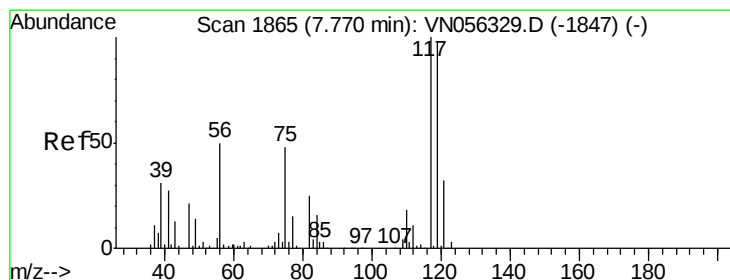
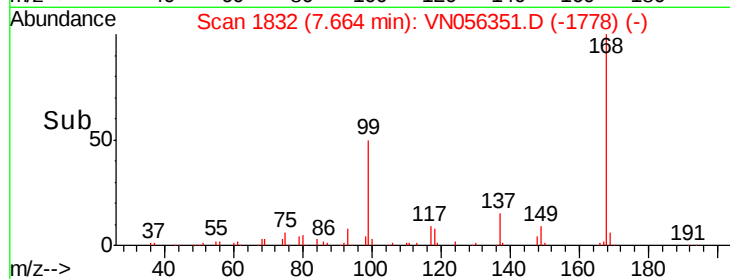
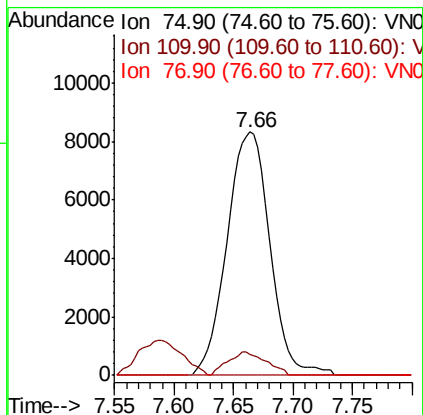
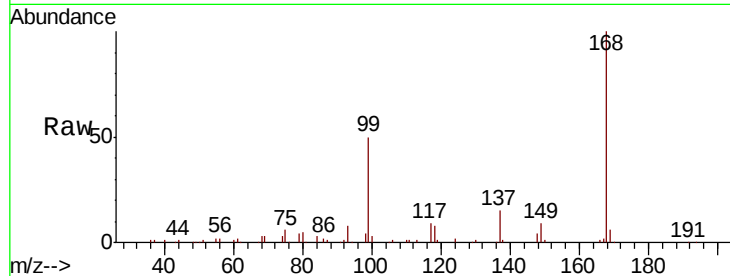




#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056351.D
 Acq: 18 Jun 2019 9:22

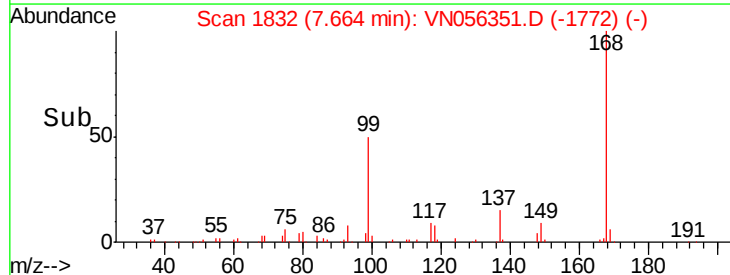
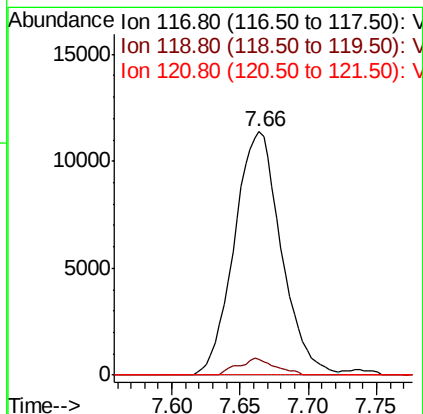
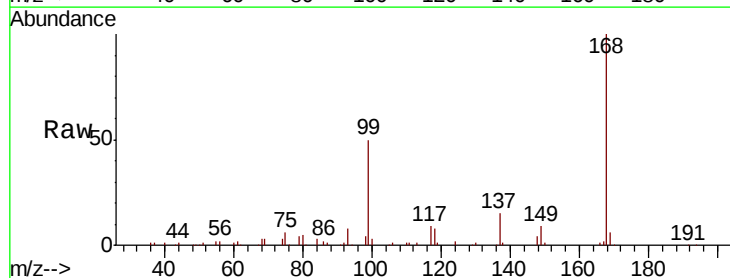
Instrument :
 MSVOA_N
 ClientSampled :

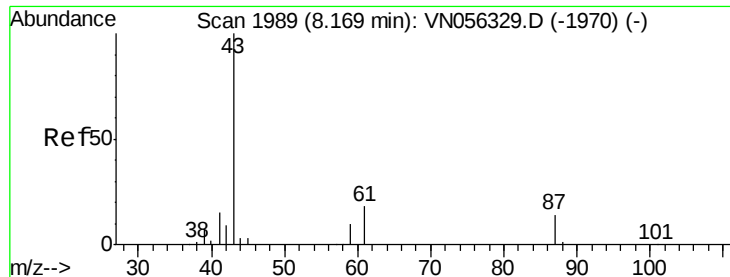
Tot Ion: 75 Resp: 20804
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.6 56.0#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.915 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056351.D
 Acq: 18 Jun 2019 9:22

Tgt Ion: 117 Resp: 27155
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.8 116.8#
 121 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 0.515 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

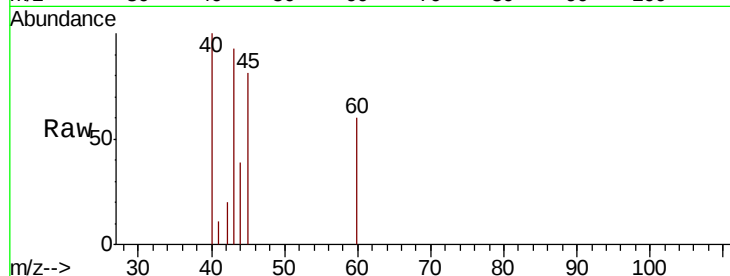
Tot Ion: 43 Resp: 3733

Ion Ratio Lower Upper

43 100

61 0.0 16.6 25.0#

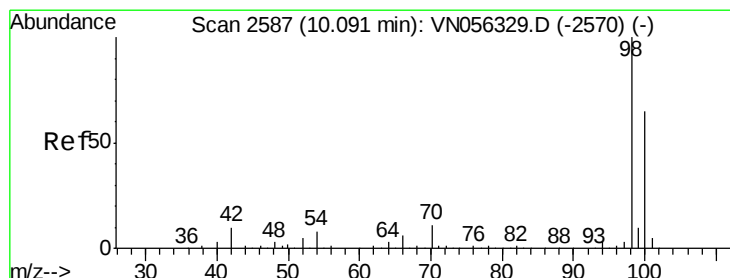
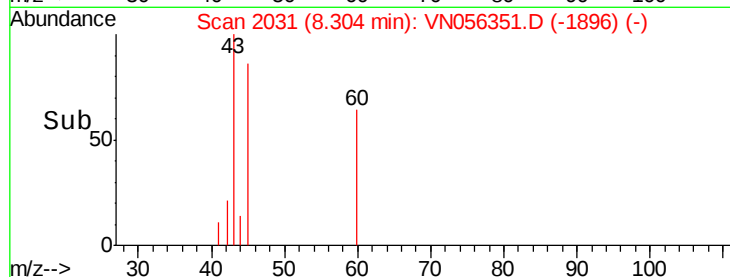
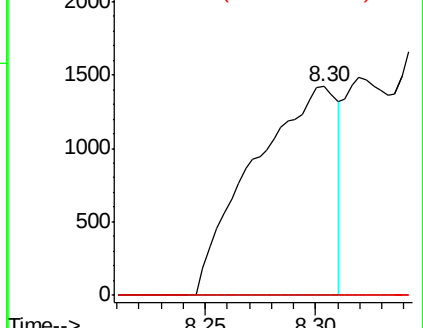
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)



#50

Toluene-d8

Concen: 50.280 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056351.D

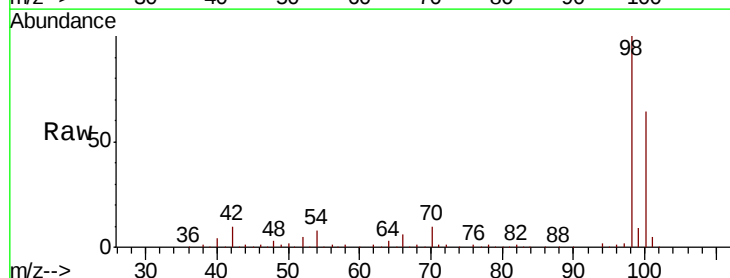
Acq: 18 Jun 2019 9:22

Tgt Ion: 98 Resp: 654685

Ion Ratio Lower Upper

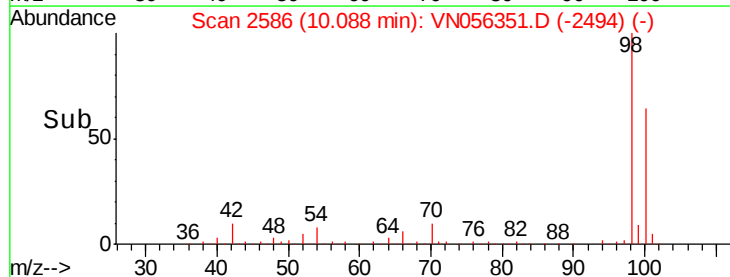
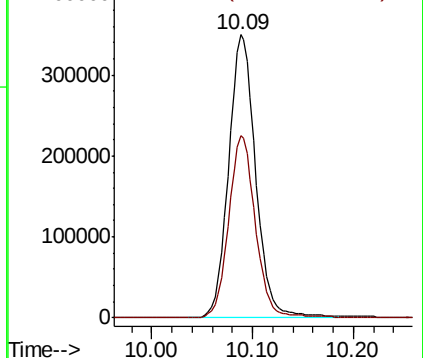
98 100

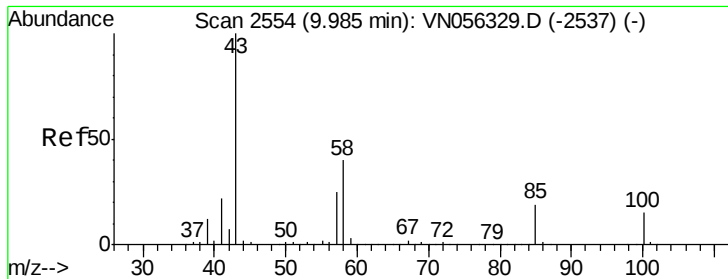
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN056329.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056329.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

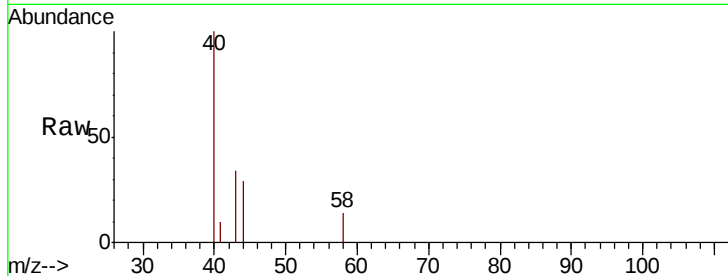
ClientSampled :

Tot Ion: 43 Resp: 1192

Ion Ratio Lower Upper

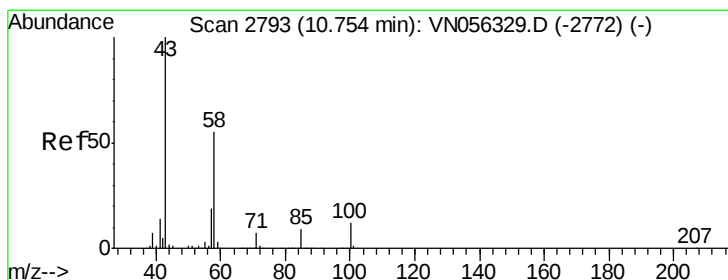
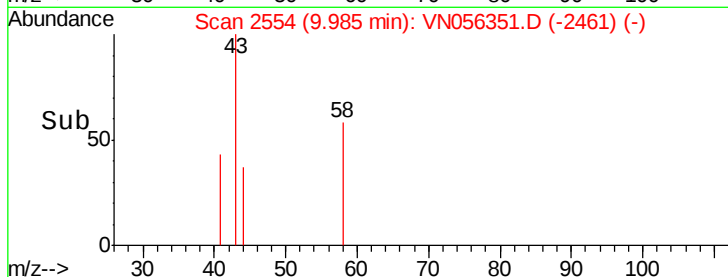
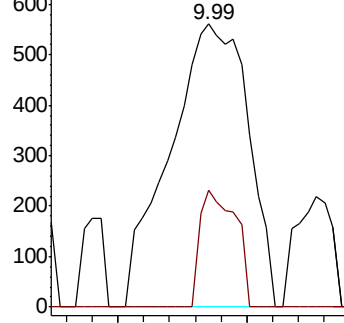
43 100

58 19.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.439 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN056351.D

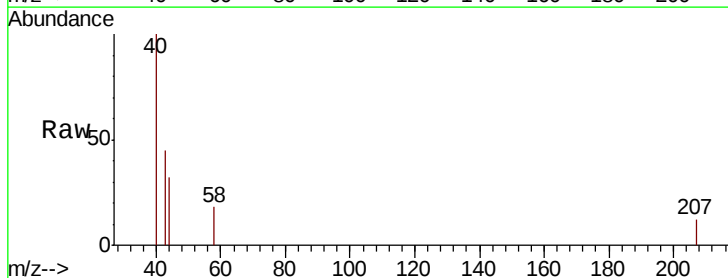
Acq: 18 Jun 2019 9:22

Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

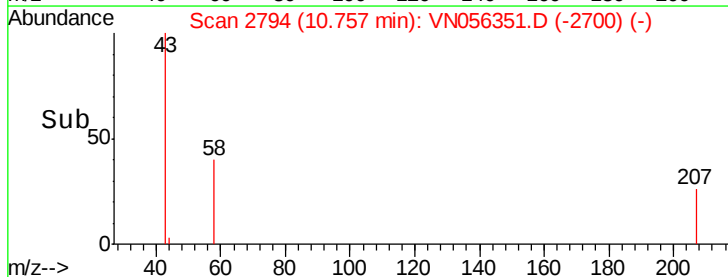
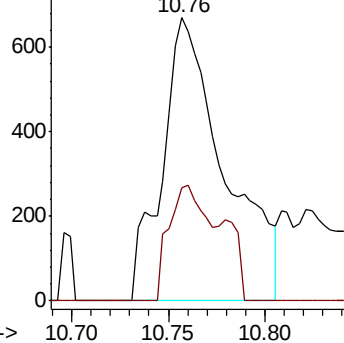
43 100

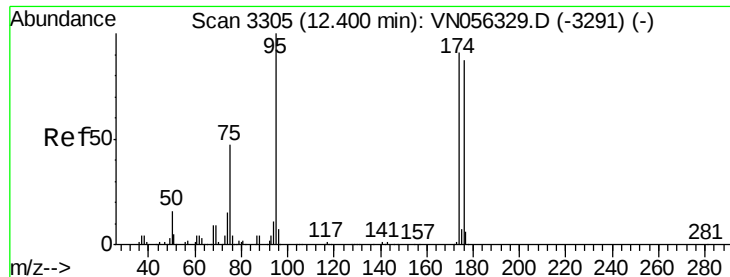
58 24.6 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

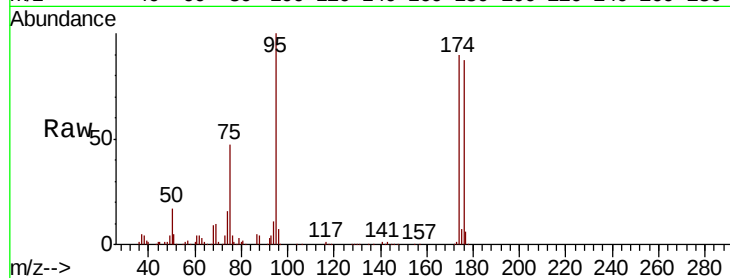




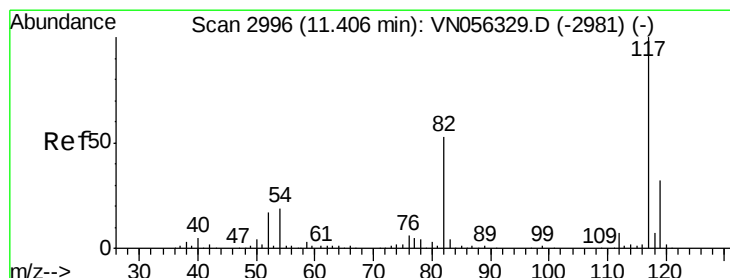
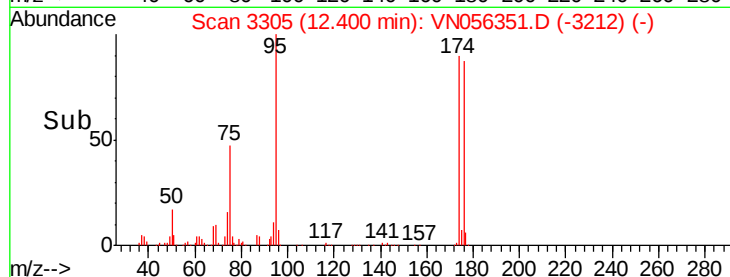
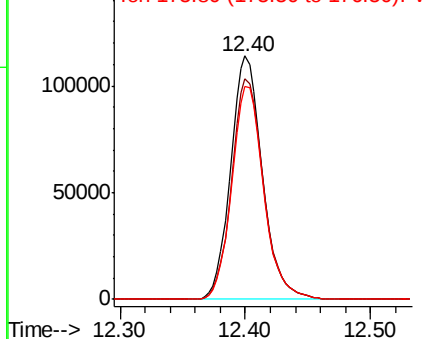
#62
4-Bromofluorobenzene
Concen: 46.316 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056351.D
Acq: 18 Jun 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	182.6
176	88.4	0.0	176.8

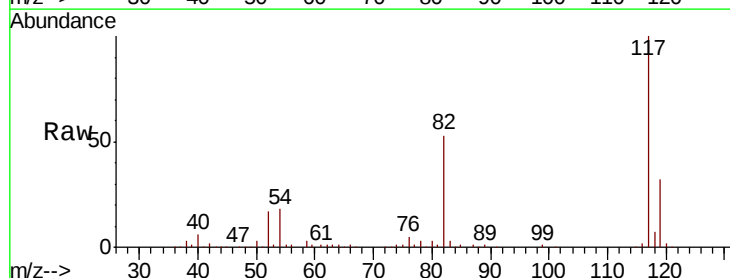


Abundance Ion 94.90 (94.60 to 95.60): VN056351.D (-2903) (-)

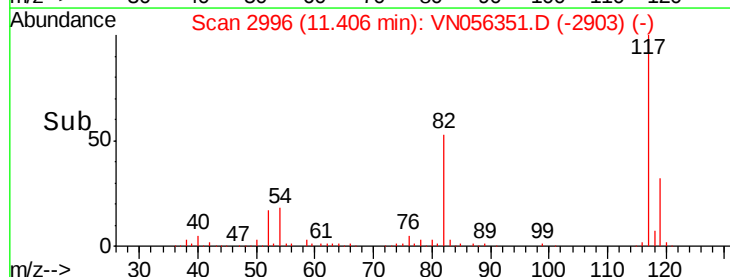
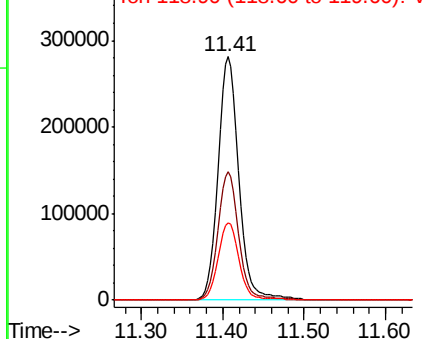


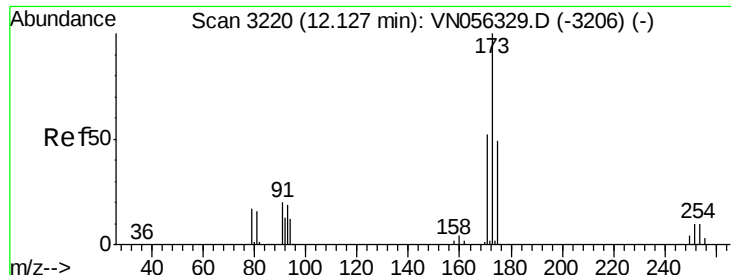
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056351.D
Acq: 18 Jun 2019 9:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	32.0	26.0	39.0



Abundance Ion 116.90 (116.60 to 117.60): VN056351.D (-2903) (-)

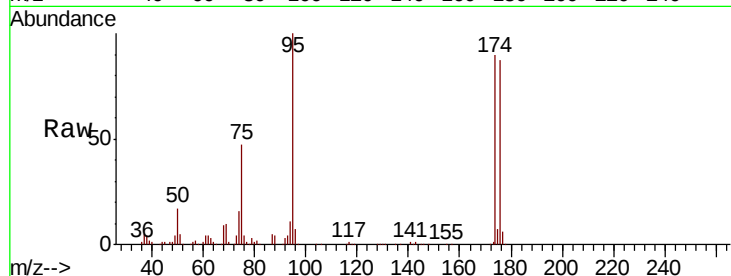




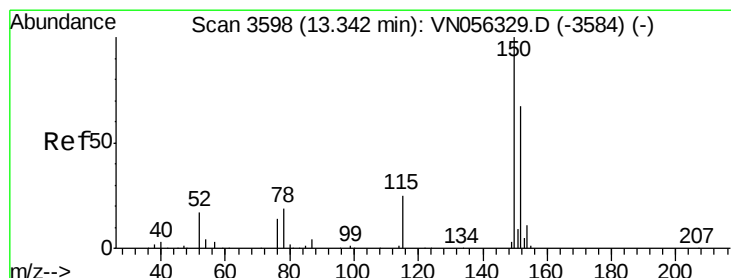
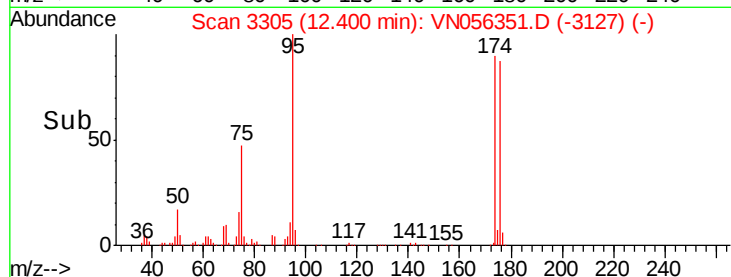
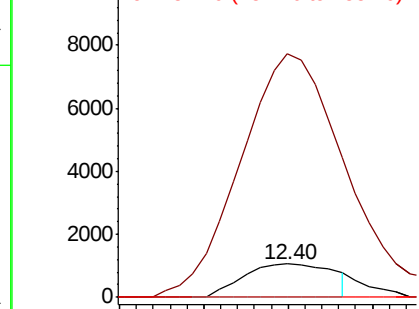
#71
Bromoform
Concen: 0.524 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056351.D
Acq: 18 Jun 2019 9:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1573
Ion Ratio Lower Upper
173 100
175 726.8 24.3 73.0#
254 0.0 0.0 0.0

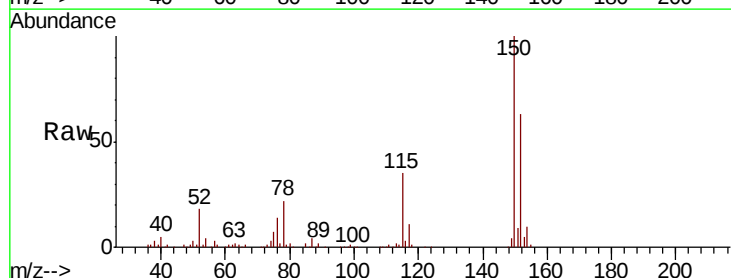


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

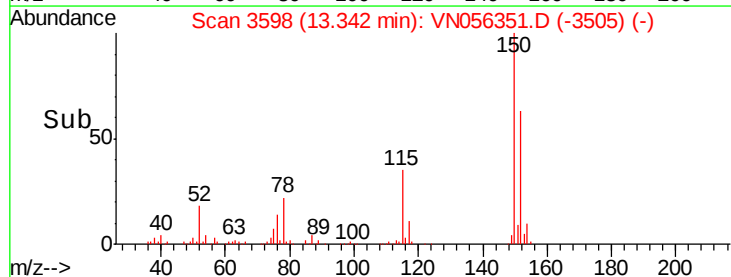
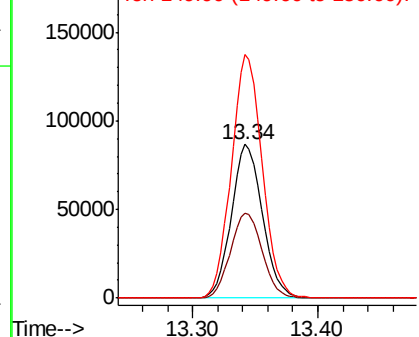


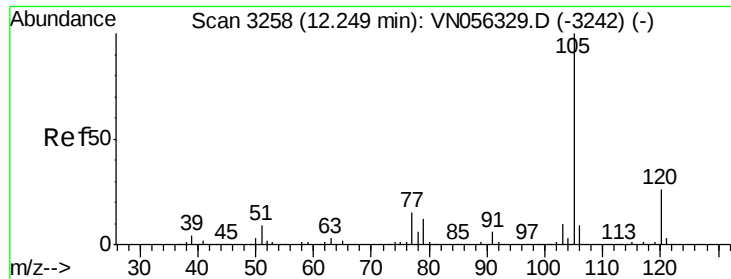
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056351.D
Acq: 18 Jun 2019 9:22

Tgt Ion:152 Resp: 149034
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 157.4 0.0 345.8



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: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

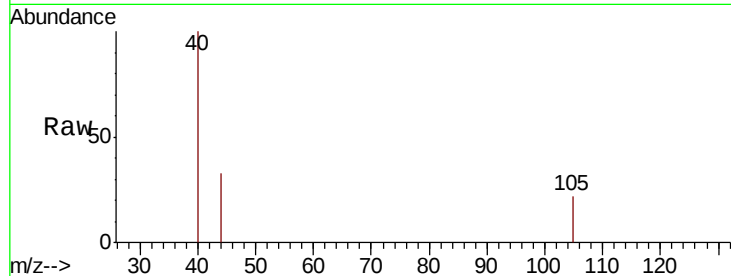
ClientSampled :

Tot Ion:105 Resp: 458

Ion Ratio Lower Upper

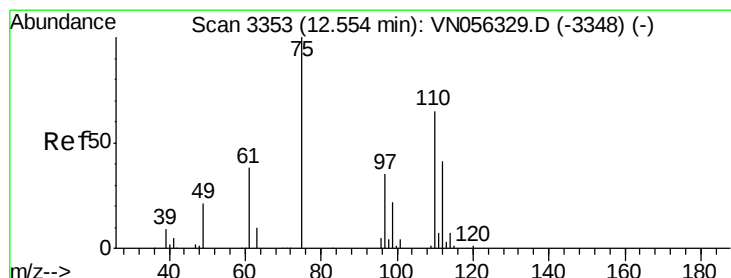
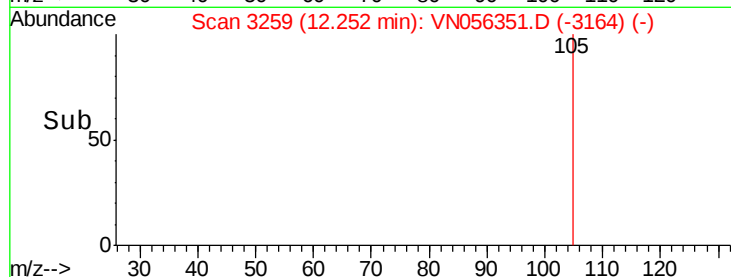
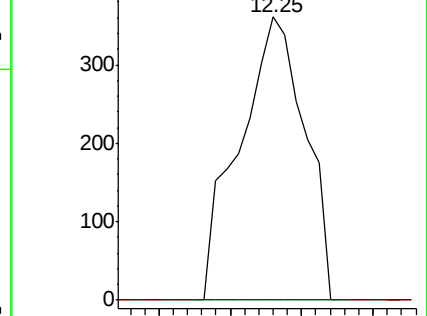
105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 29.494 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056351.D

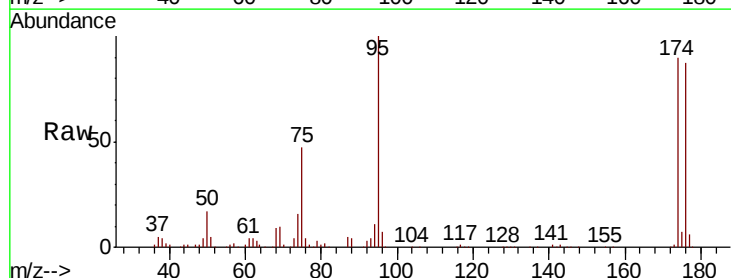
Acq: 18 Jun 2019 9:22

Tgt Ion: 75 Resp: 93913

Ion Ratio Lower Upper

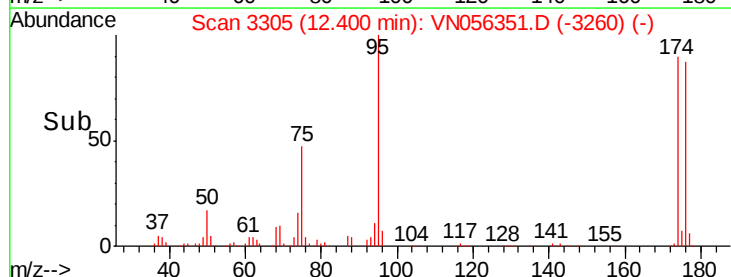
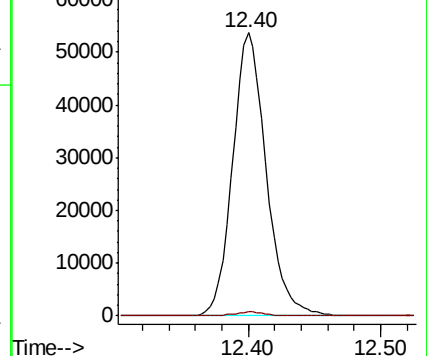
75 100

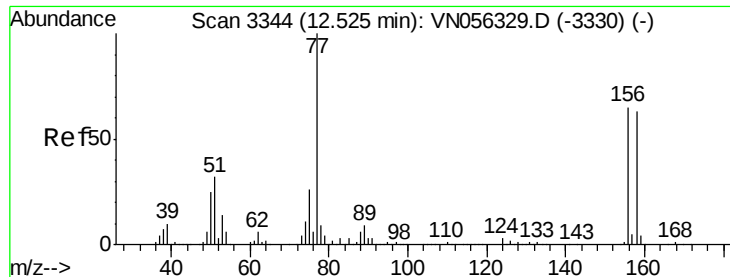
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

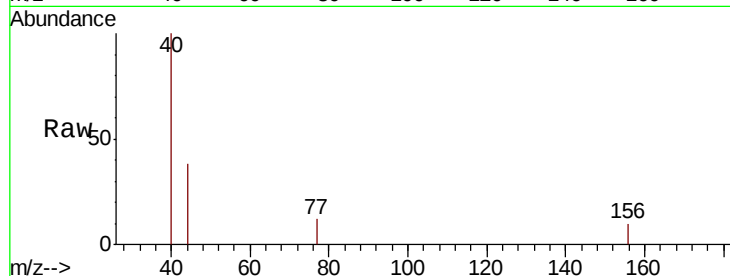
Tot Ion:156 Resp: 58

Ion Ratio Lower Upper

156 100

77 306.9 92.9 278.7#

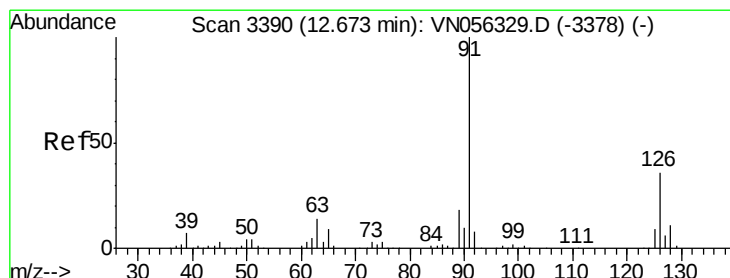
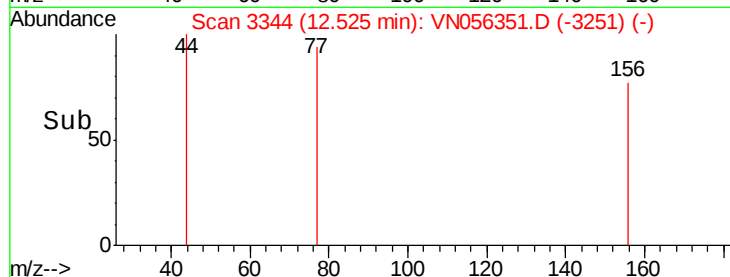
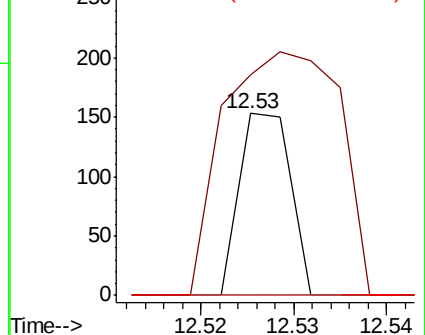
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056351.D

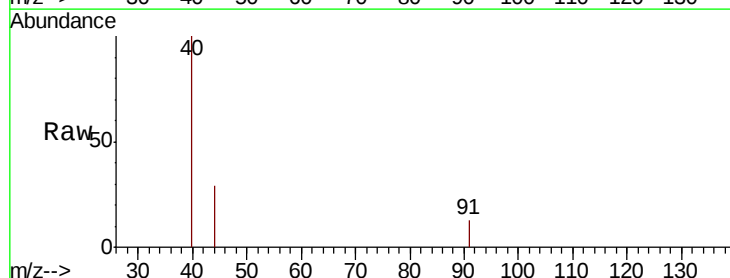
Acq: 18 Jun 2019 9:22

Tgt Ion: 91 Resp: 283

Ion Ratio Lower Upper

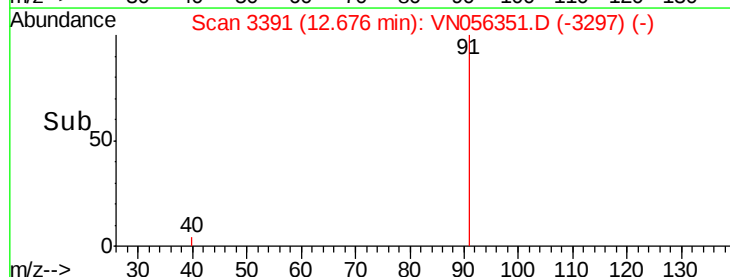
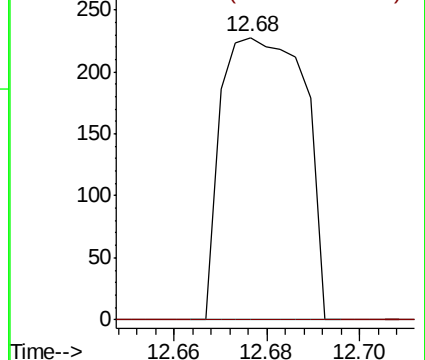
91 100

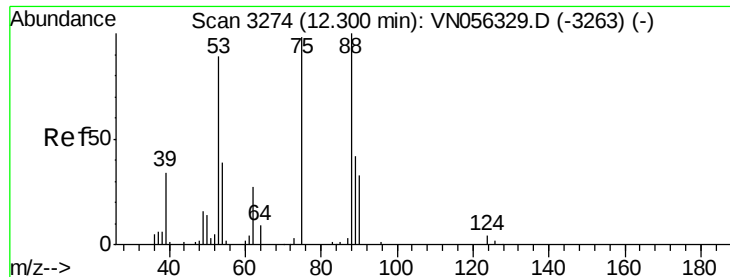
126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 91.634 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

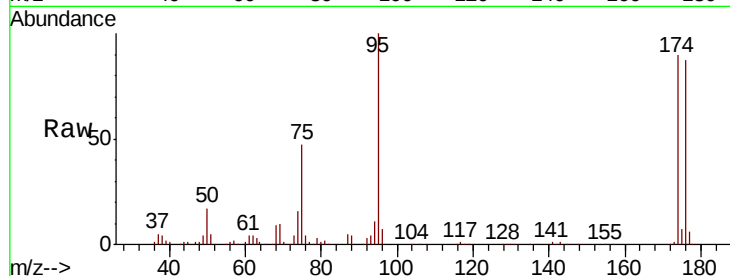
Tot Ion: 75 Resp: 93913

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

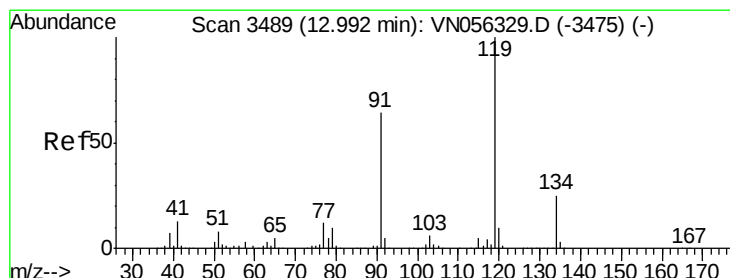
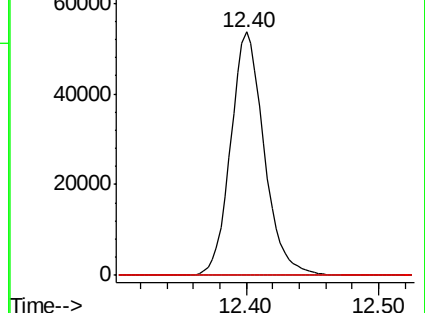
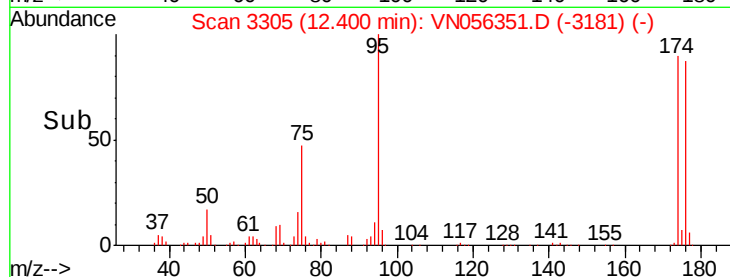
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

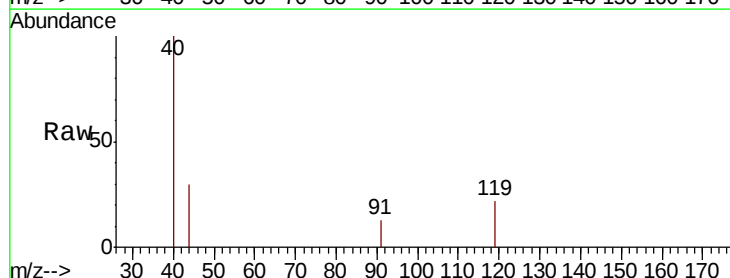
Tgt Ion: 119 Resp: 529

Ion Ratio Lower Upper

119 100

91 56.1 31.5 94.5

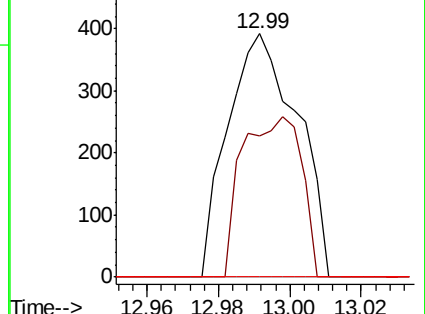
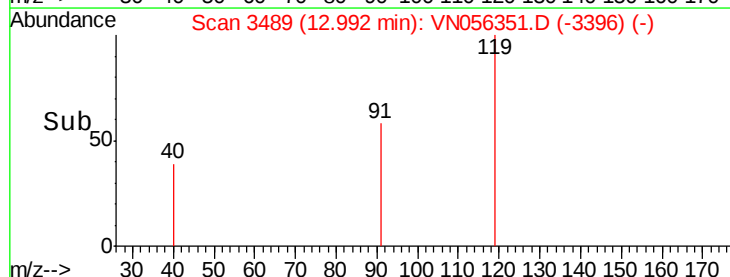
134 0.0 13.6 40.7#

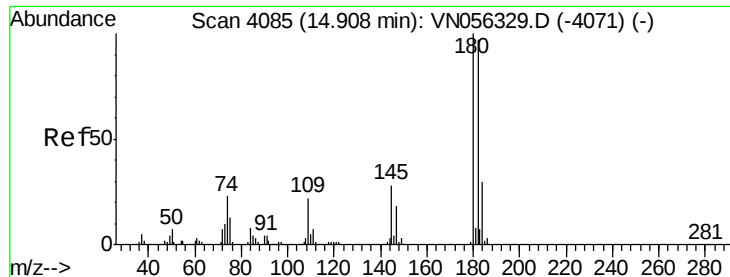


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

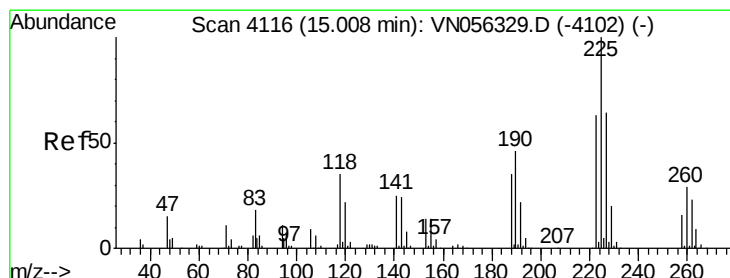
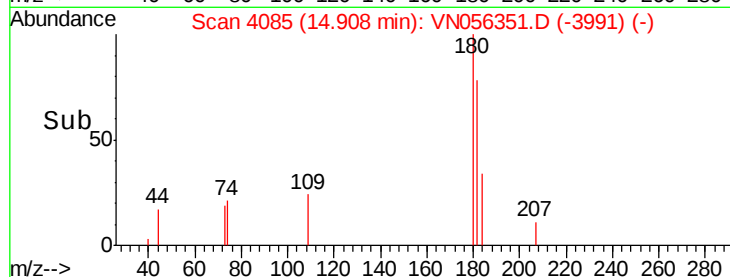
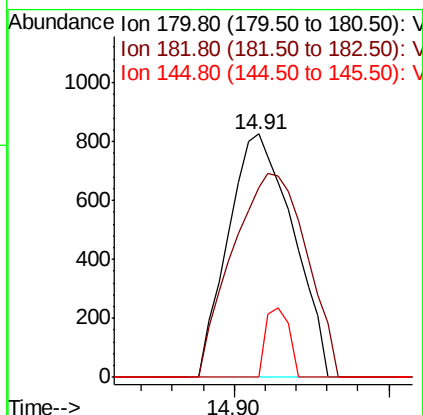
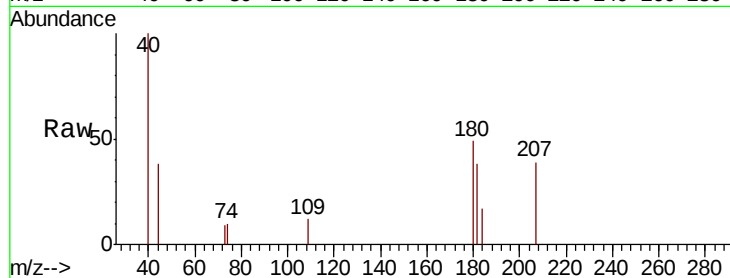




#93
 1,2,4-Trichlorobenzene
 Concen: 5.720 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056351.D
 Acq: 18 Jun 2019 9:22

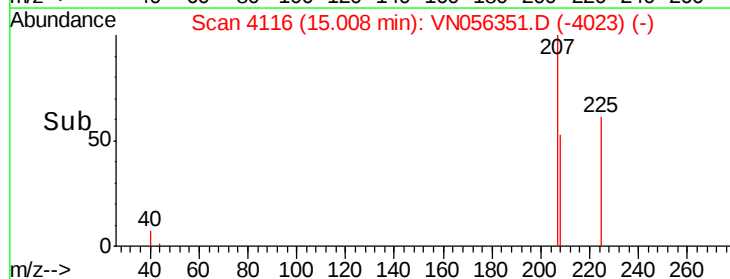
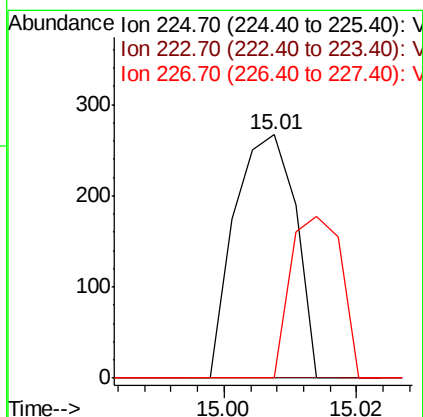
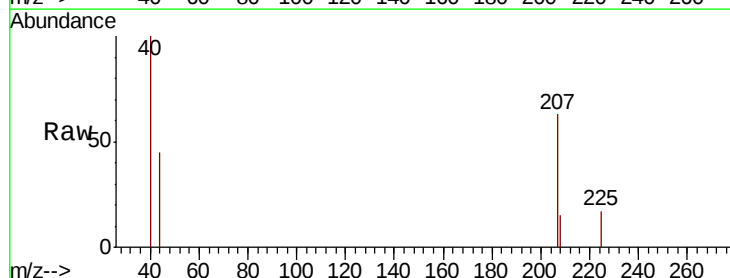
Instrument :
 MSVOA_N
 ClientSampled :

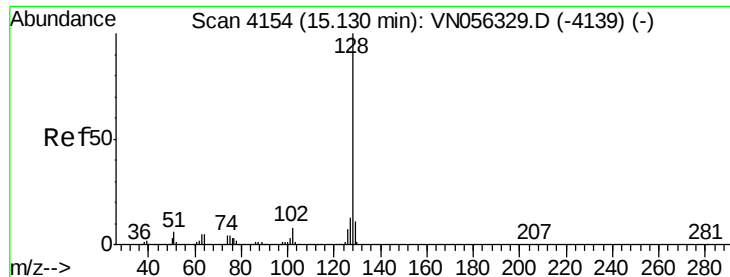
Tot Ion:180 Resp: 1197
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.3
 145 10.2 14.0 41.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056351.D
 Acq: 18 Jun 2019 9:22

Tgt Ion:225 Resp: 170
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.2 93.6#
 227 55.9 31.7 95.1





#95

Naphthalene

Concen: 5.141 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

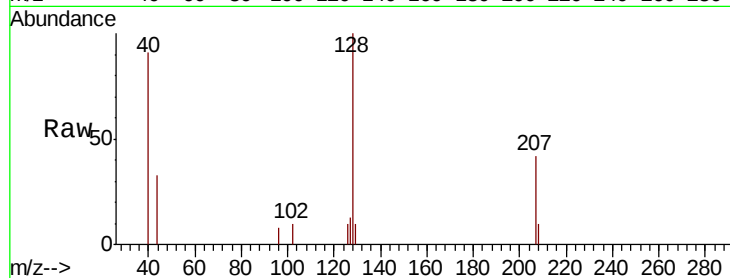
Tot Ion:128 Resp: 3611

Ion Ratio Lower Upper

128 100

127 9.9 10.6 15.8#

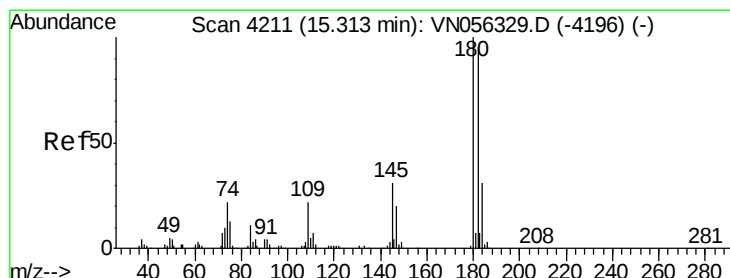
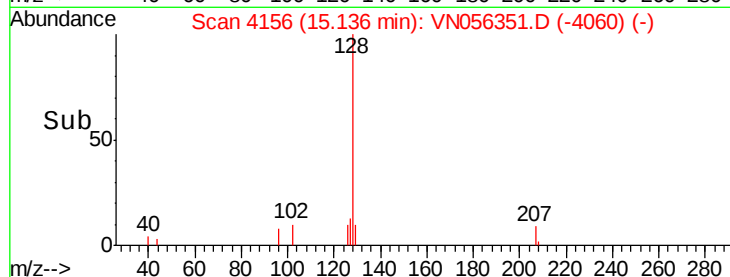
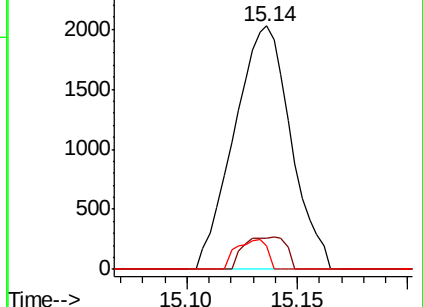
129 6.6 8.6 12.8#



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: 4.403 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056351.D

Acq: 18 Jun 2019 9:22

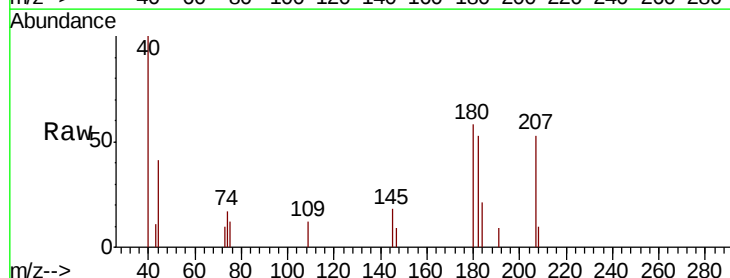
Tgt Ion:180 Resp: 1755

Ion Ratio Lower Upper

180 100

182 85.5 47.1 141.4

145 17.9 14.9 44.9



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

