

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049328.D
 Acq On : 16 Jun 2018 23:21
 Operator : MD\SY
 Sample : J3562-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:24:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1575779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2518886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2092221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	620540	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	1036881	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	938366	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	10.09	98	3504264	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
62) 4-Bromofluorobenzene	12.40	95	906790	35.34	ug/l	0.00
Spiked Amount			Recovery	=	70.68%	

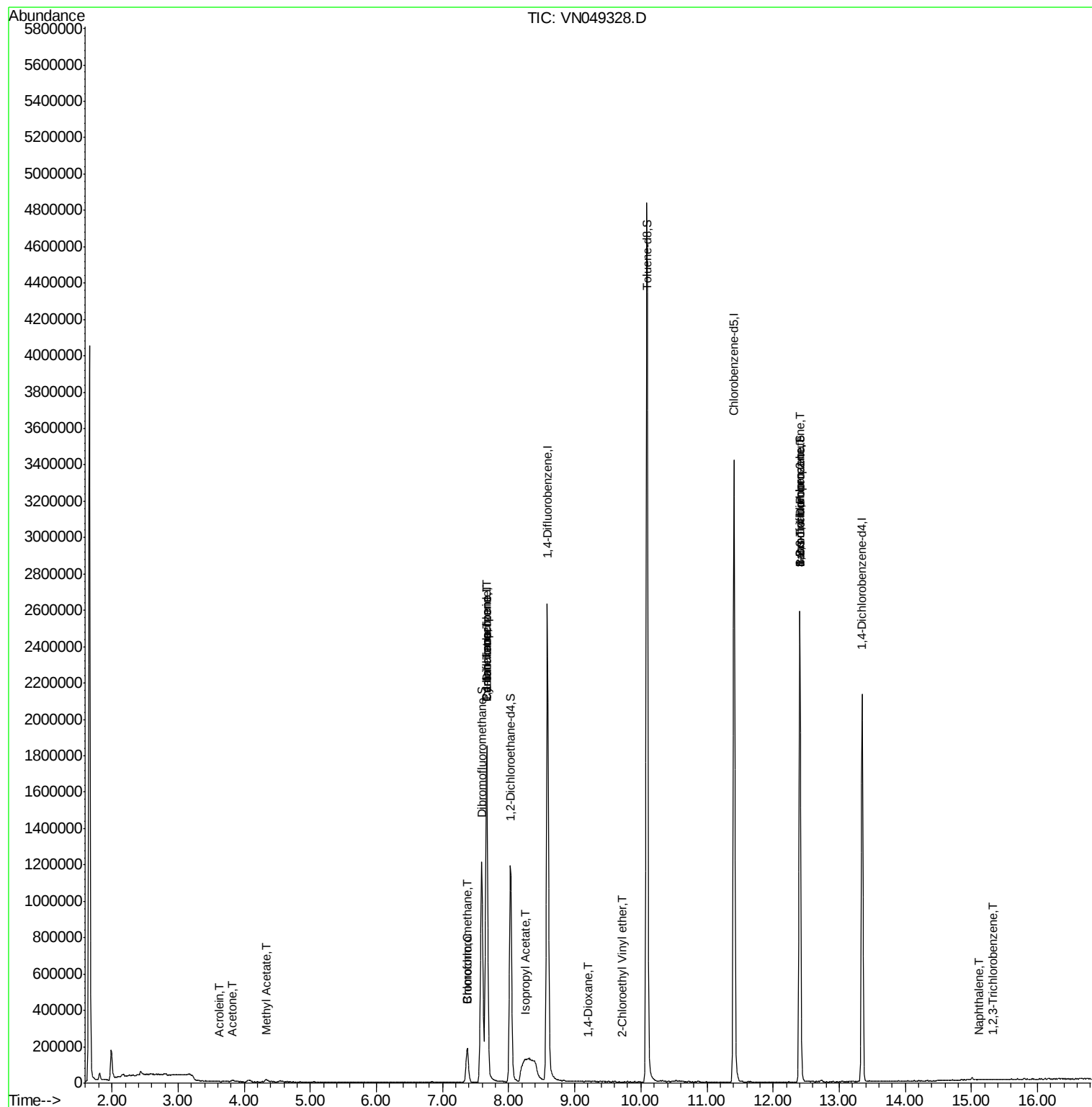
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	289	0.22	ug/l #	58
16) Acetone	3.82	43	10892	2.15	ug/l	91
18) Methyl Acetate	4.33	43	24282	1.57	ug/l	96
28) Bromochloromethane	7.37	49	15051	0.93	ug/l #	18
30) Chloroform	7.37	83	199167	5.49	ug/l	98
31) Cyclohexane	7.67	56	29951	0.80	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	109974	3.81	ug/l #	50
38) Carbon Tetrachloride	7.67	117	145343	4.86	ug/l #	17
43) Isopropyl Acetate	8.25	43	157125	5.24	ug/l #	64
49) 1,4-Dioxane	9.20	88	69	0.35	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	130	14.34	ug/l #	51
71) Bromoform	12.40	173	5825	0.44	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	668	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	440362	41.59	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	440362	131.45	ug/l #	9
90) Hexachloroethane	13.90	117	77	Below Cal	#	9
95) Naphthalene	15.13	128	151	2.09	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	65	3.46	ug/l #	34

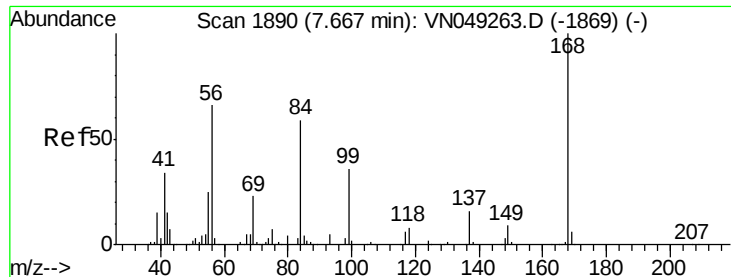
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

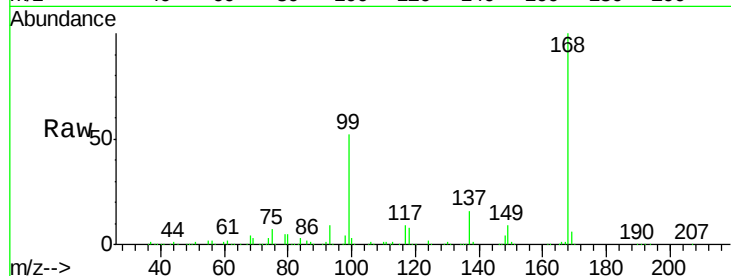
ClientSampled :

Tot Ion:168 Resp: 1575779

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

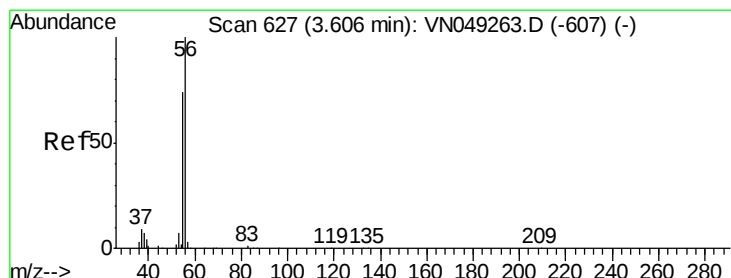
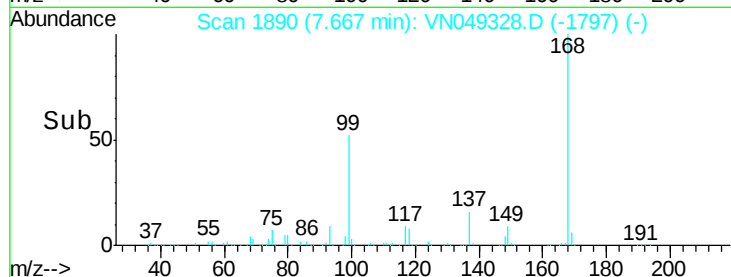
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.22 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049328.D

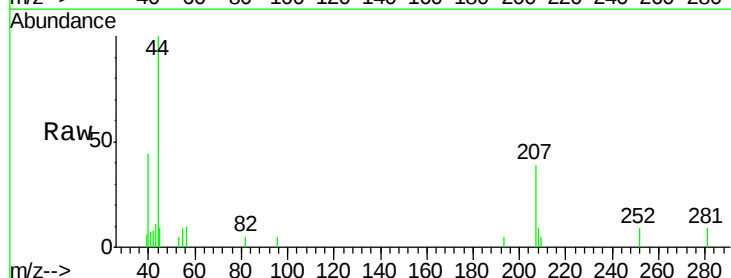
Acq: 16 Jun 2018 23:21

Tgt Ion: 56 Resp: 289

Ion Ratio Lower Upper

56 100

55 106.6 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

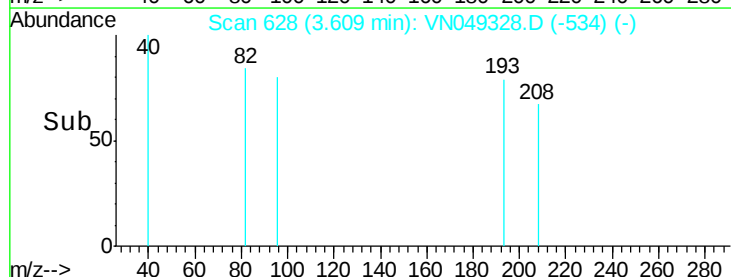
300

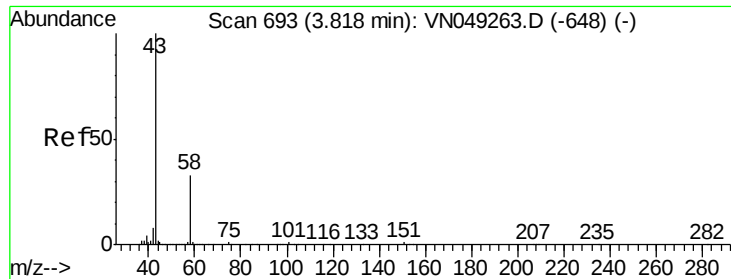
200

100

0

Time--> 3.59 3.60 3.61 3.62 3.63





#16

Acetone

Concen: 2.15 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

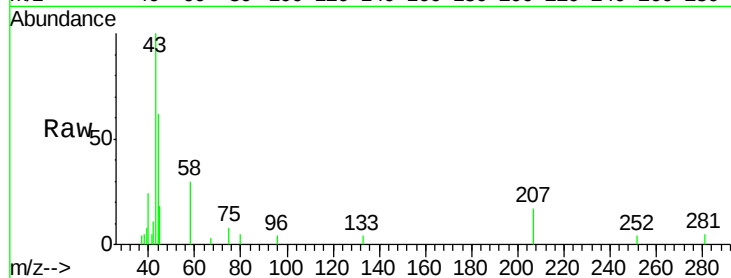
ClientSampled :

Tot Ion: 43 Resp: 10892

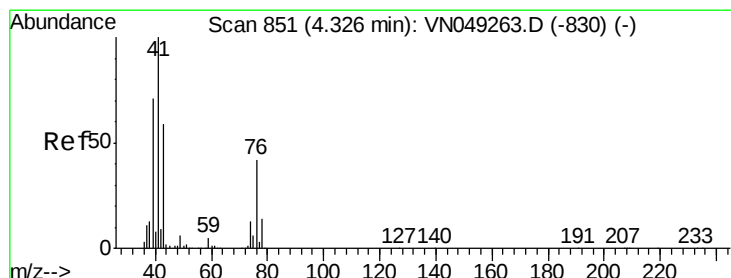
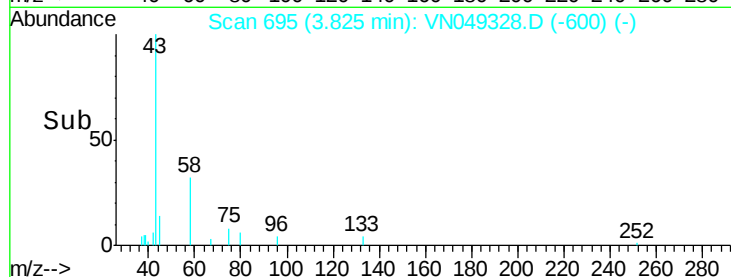
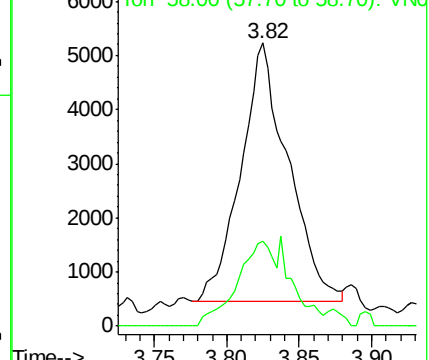
Ion Ratio Lower Upper

43 100

58 32.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049328.D (-600) (-)



#18

Methyl Acetate

Concen: 1.57 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049328.D

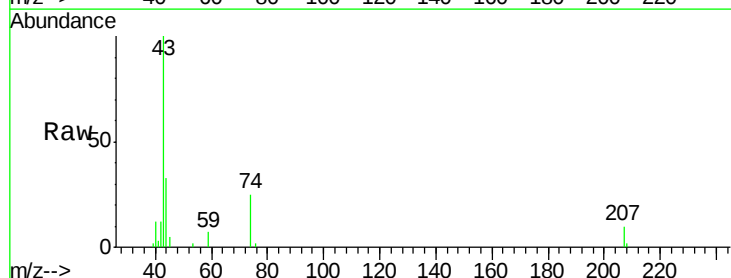
Acq: 16 Jun 2018 23:21

Tgt Ion: 43 Resp: 24282

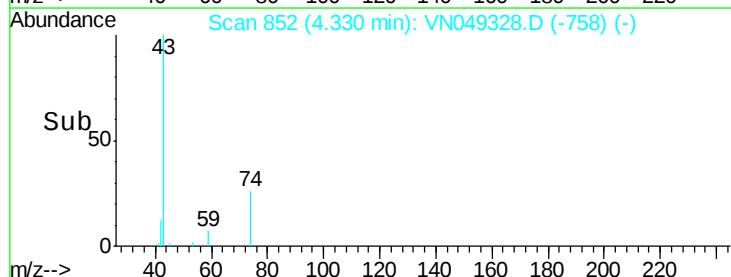
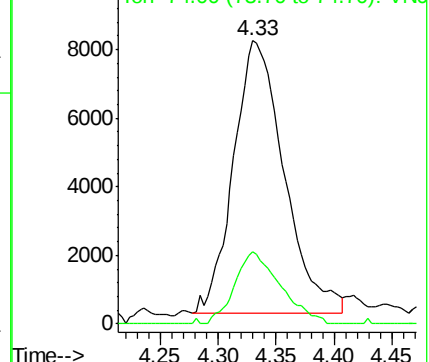
Ion Ratio Lower Upper

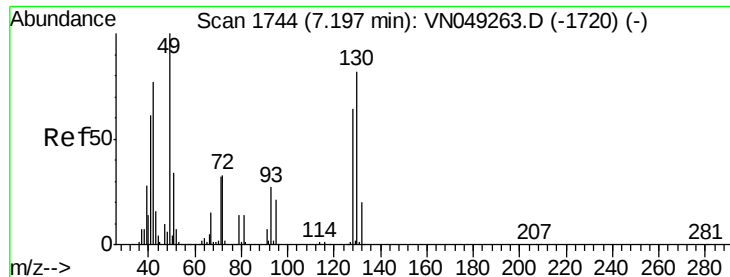
43 100

74 23.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049328.D (-758) (-)

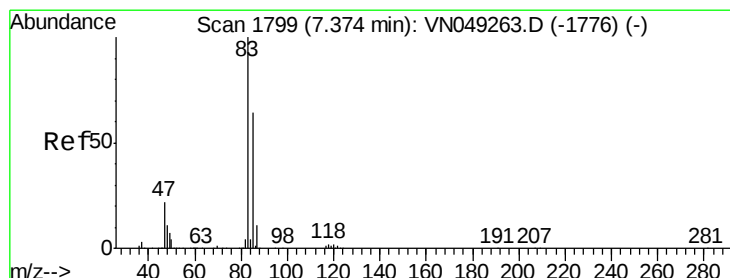
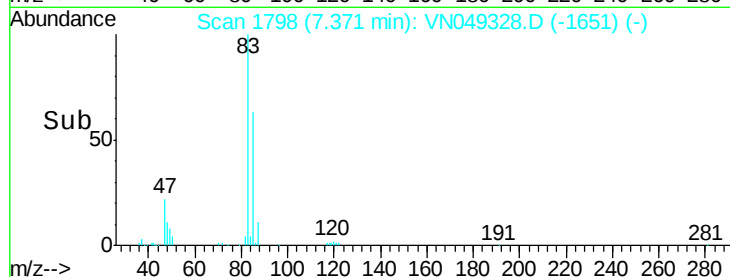
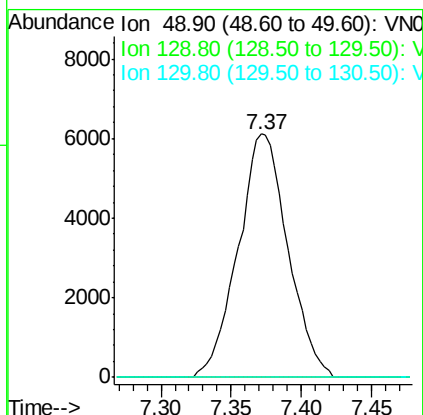
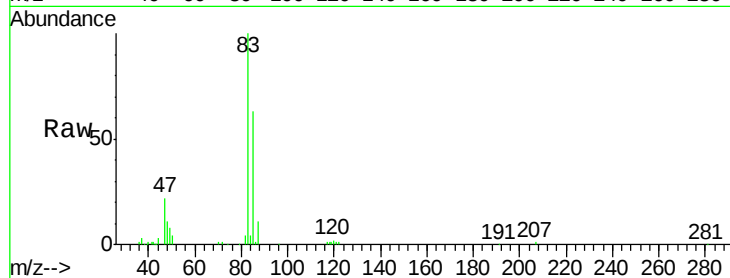




#28
Bromochloromethane
Concen: 0.93 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.17 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

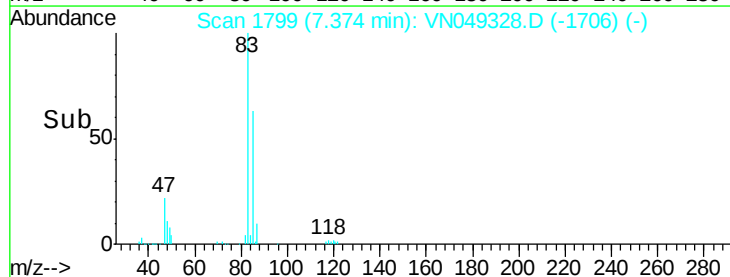
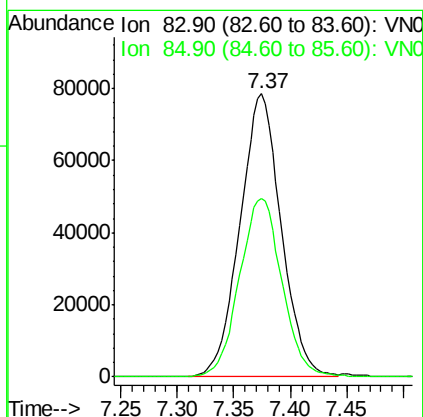
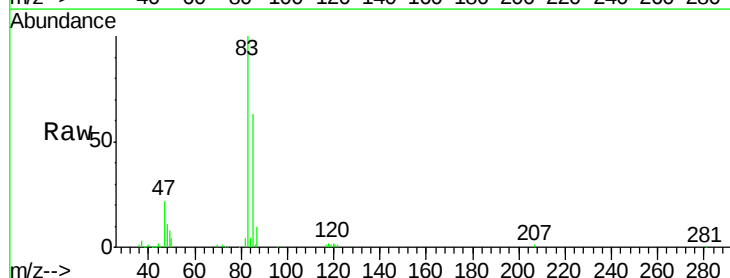
Instrument :
MSVOA_N
ClientSampleId :

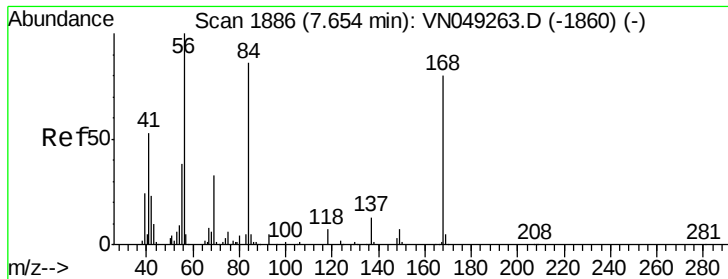
Tot Ion: 49 Resp: 15051
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.9 82.3#



#30
Chloroform
Concen: 5.49 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

Tgt Ion: 83 Resp: 199167
Ion Ratio Lower Upper
83 100
85 63.1 51.7 77.5

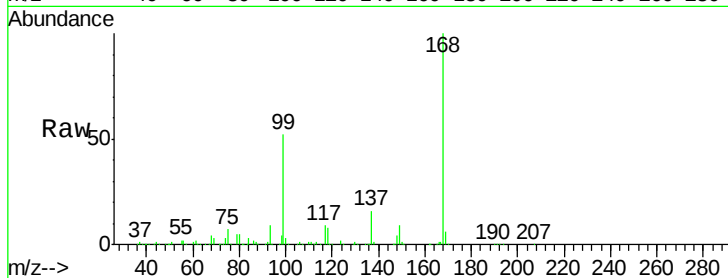




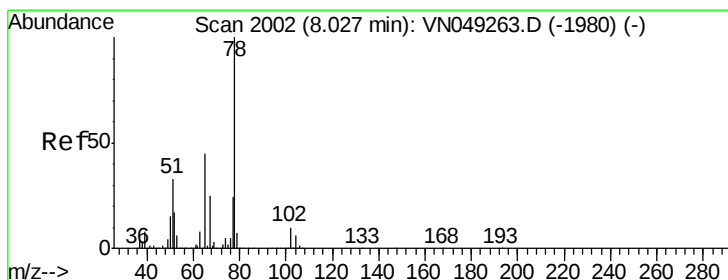
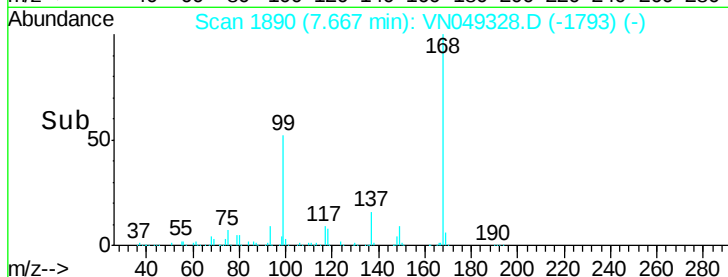
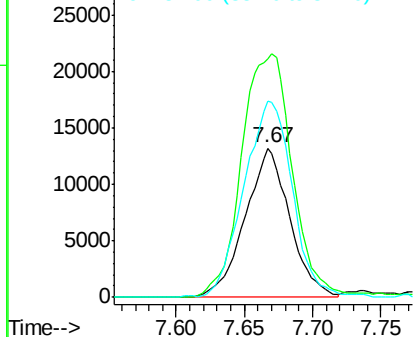
#31
Cyclohexane
Concen: 0.80 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 29951
Ion Ratio Lower Upper
56 100
69 159.8 25.0 37.4#
84 129.4 64.6 96.8#

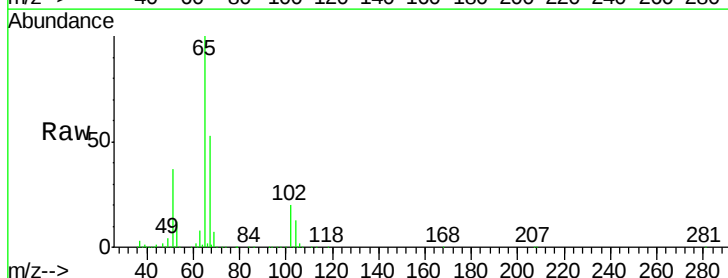


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

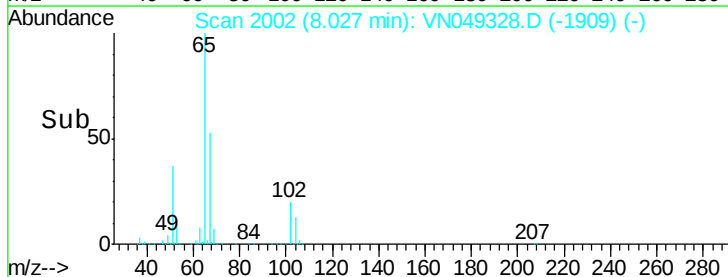
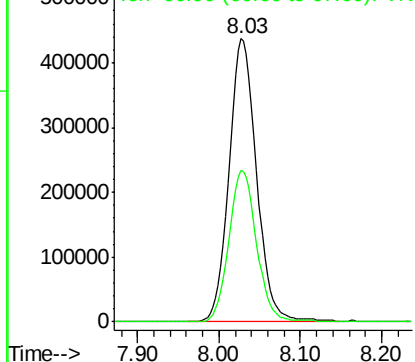


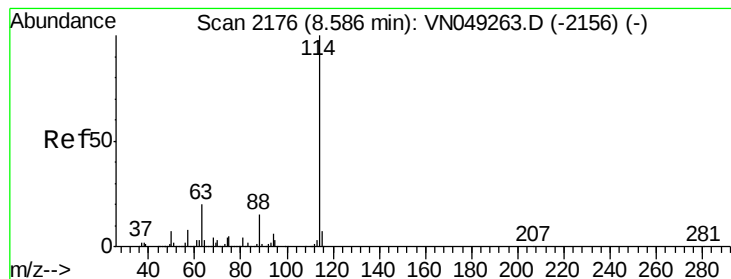
#33
1,2-Dichloroethane-d4
Concen: 49.61 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

Tgt Ion: 65 Resp: 1036881
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

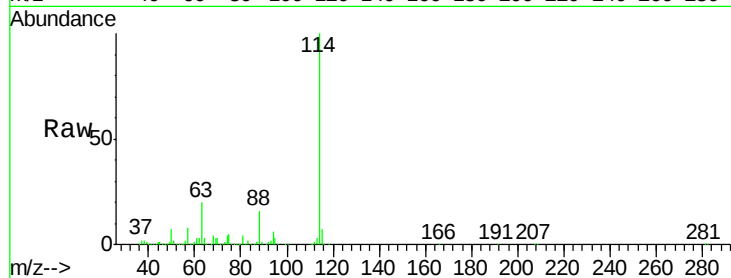
Tot Ion:114 Resp: 2518886

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

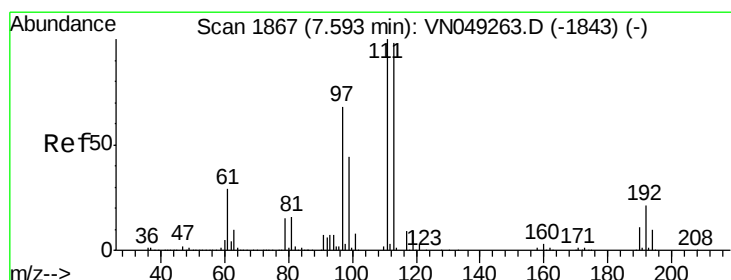
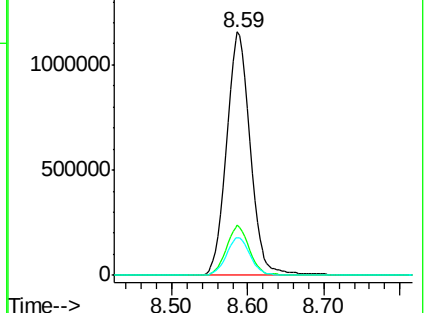
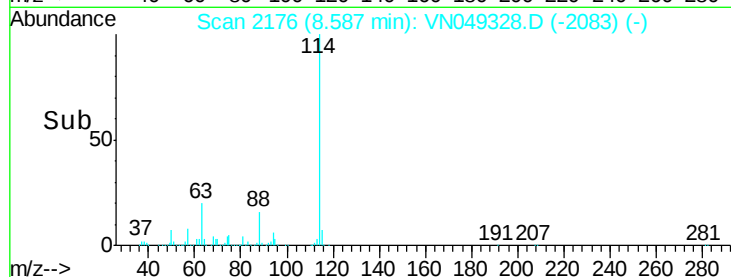
88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 46.05 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

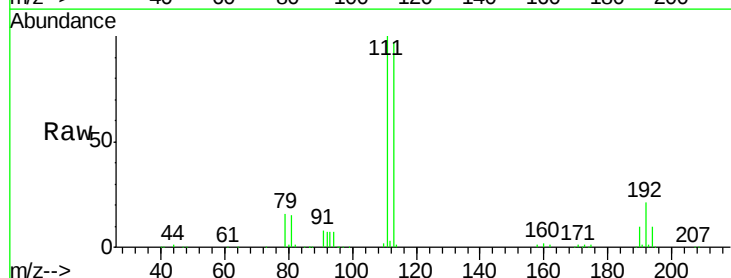
Tgt Ion:113 Resp: 938366

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

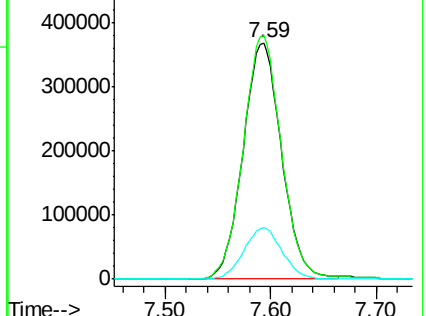
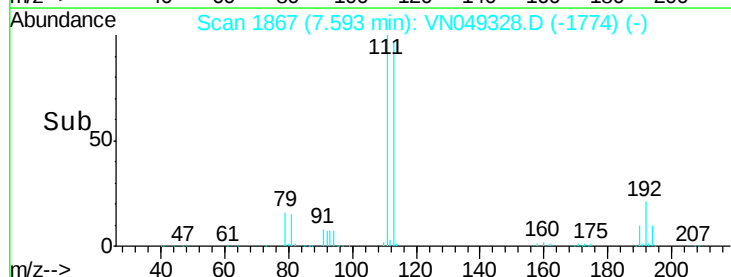
192 21.8 15.0 22.6

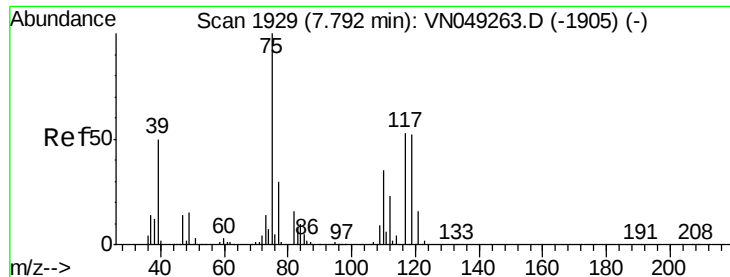


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :
MSVOA_N
ClientSampled :

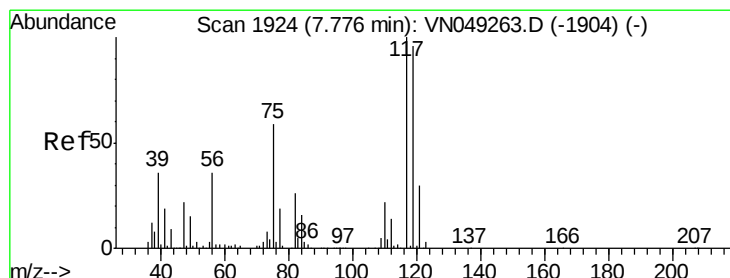
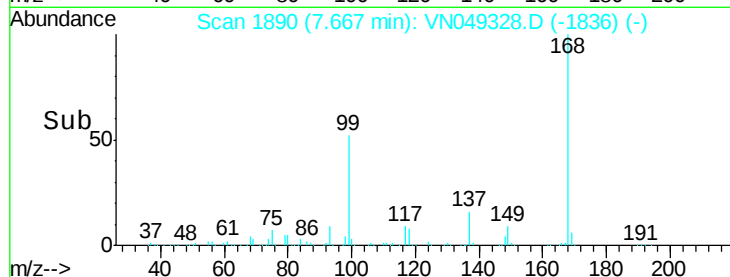
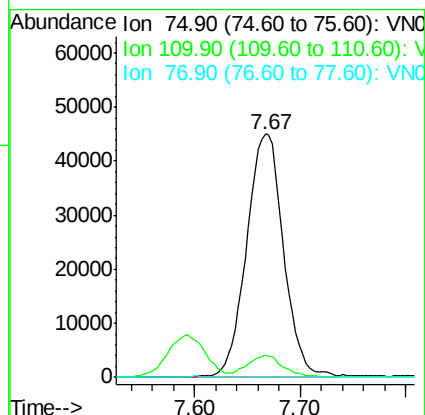
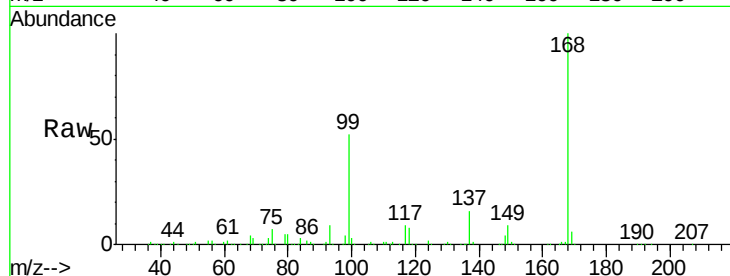
Tot Ion: 75 Resp: 109974

Ion Ratio Lower Upper

75 100

110 8.8 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.86 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

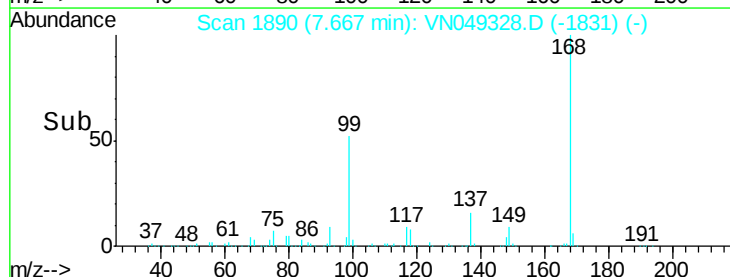
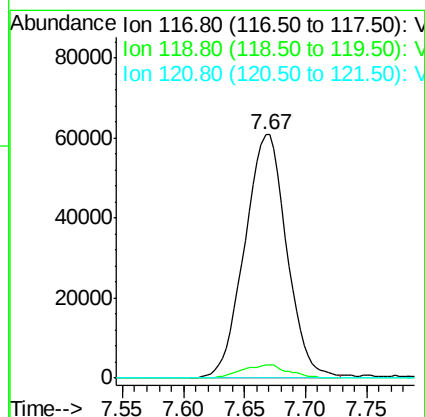
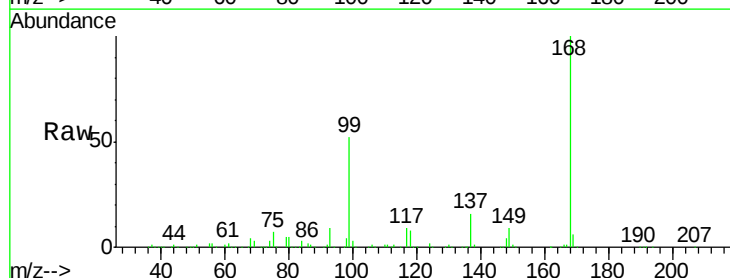
Tgt Ion: 117 Resp: 145343

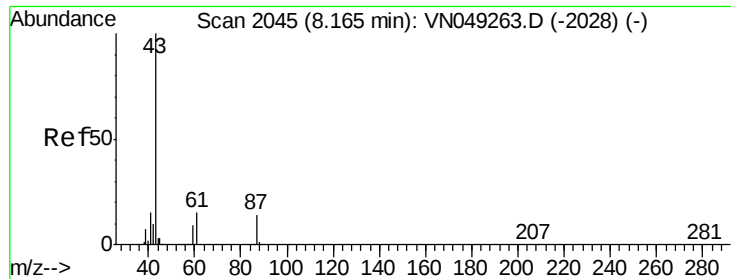
Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

121 0.0 24.7 37.1#

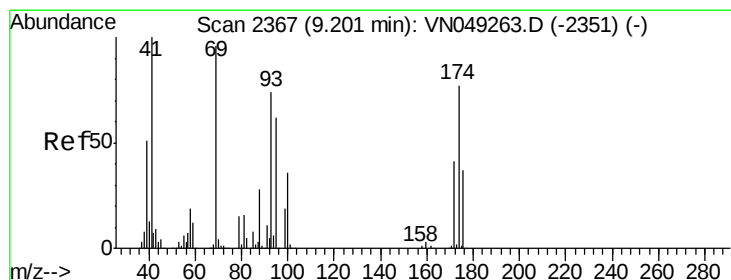
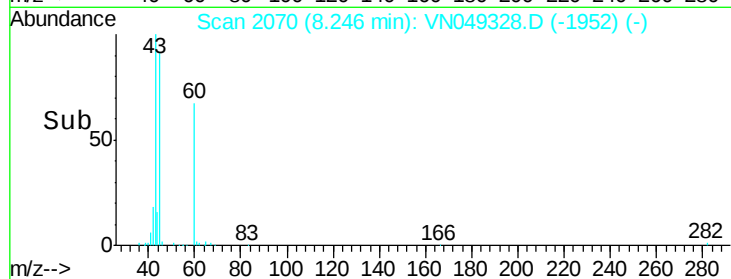
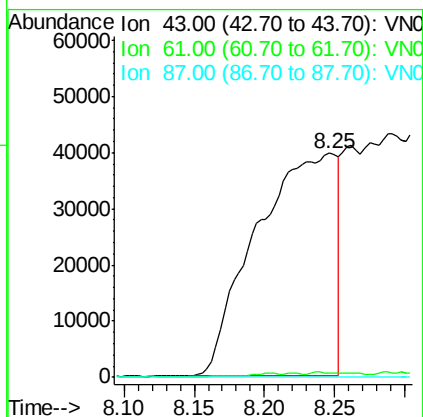
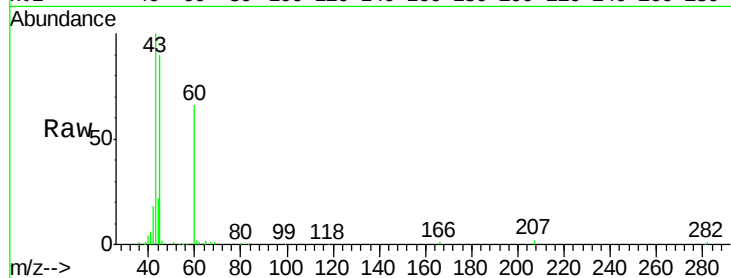




#43
Isopropyl Acetate
Concen: 5.24 ug/l
RT: 8.25 min Scan# 2070
Delta R.T. 0.08 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

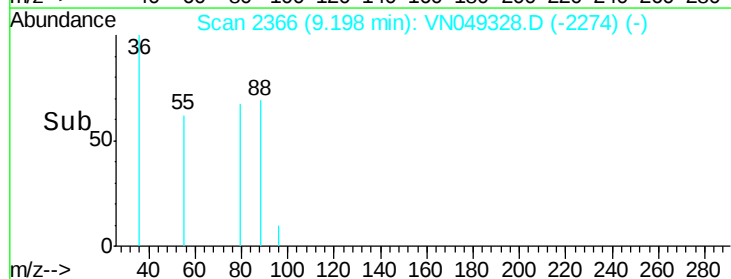
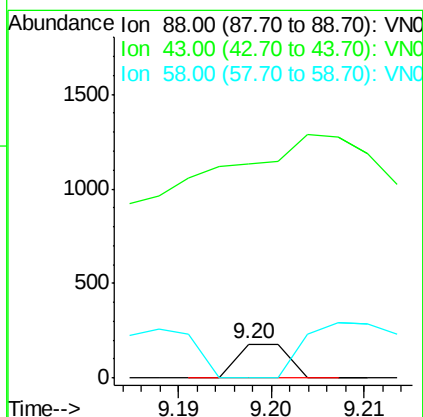
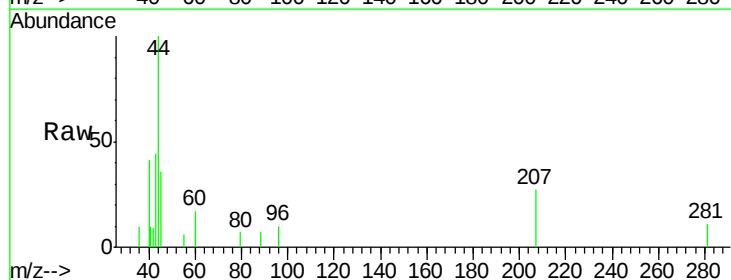
Instrument :
MSVOA_N
ClientSampled :

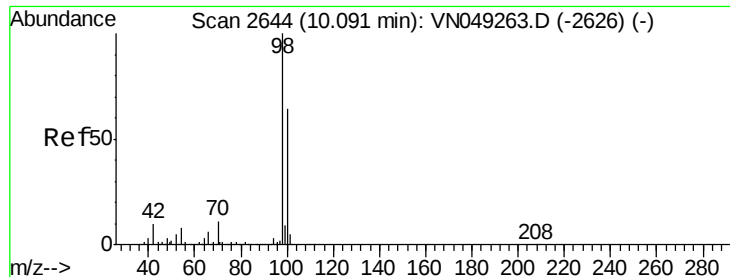
Tot Ion: 43 Resp: 157125
Ion Ratio Lower Upper
43 100
61 0.5 14.2 21.4#
87 0.0 9.4 14.0#



#49
1,4-Dioxane
Concen: 0.35 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 576.8 30.9 46.3#
58 342.0 58.9 88.3#





#50

Toluene-d8

Concen: 45.16 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

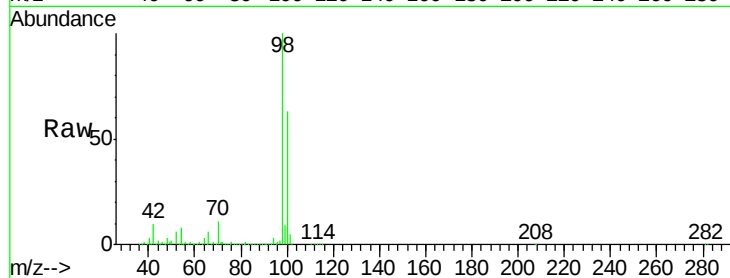
ClientSampleId :

Tot Ion: 98 Resp: 3504264

Ion Ratio Lower Upper

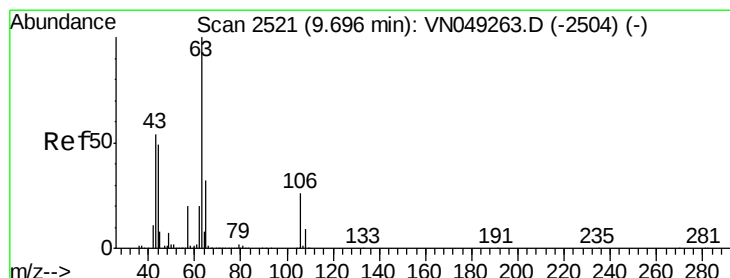
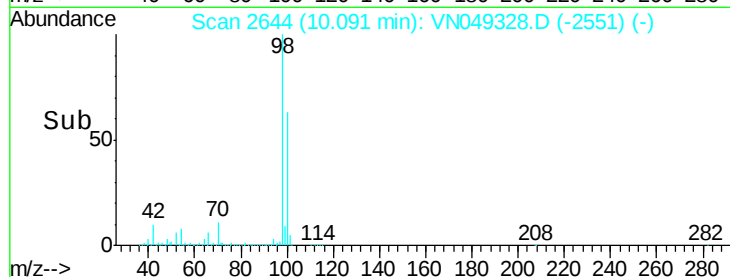
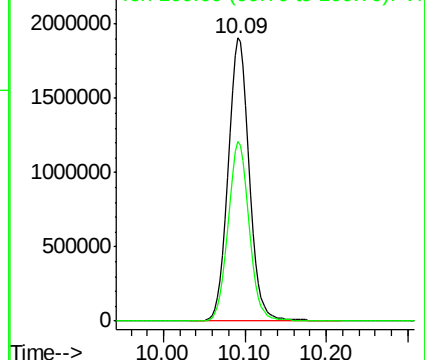
98 100

100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.71 min Scan# 2526

Delta R.T. 0.02 min

Lab File: VN049328.D

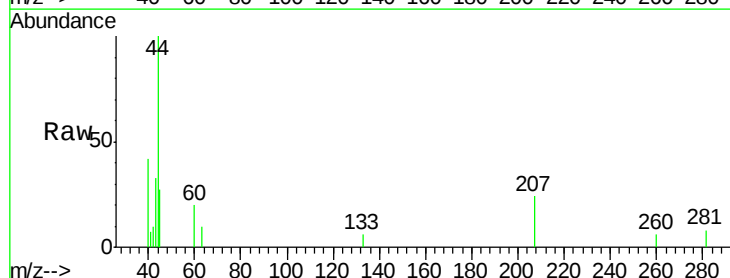
Acq: 16 Jun 2018 23:21

Tgt Ion: 63 Resp: 130

Ion Ratio Lower Upper

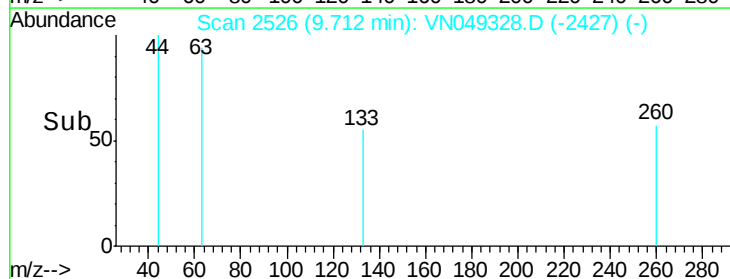
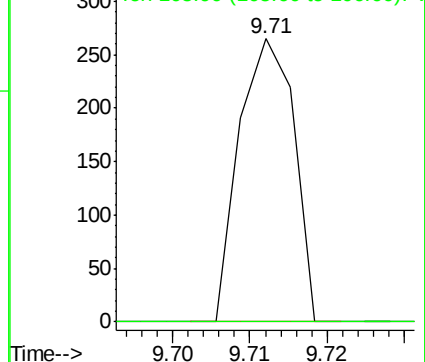
63 100

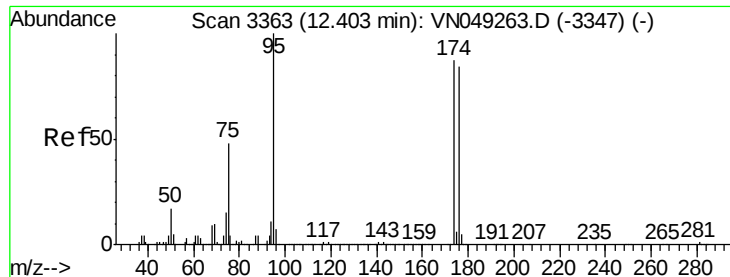
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN

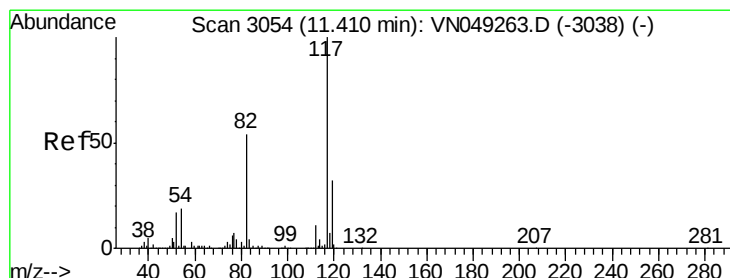
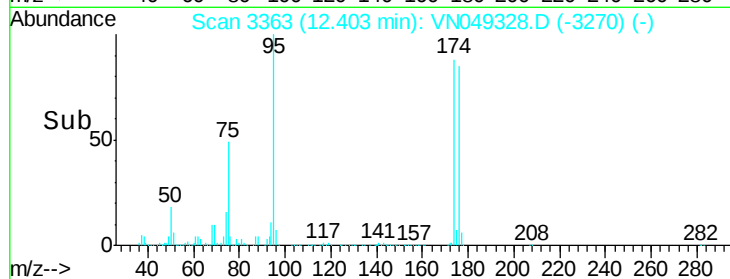
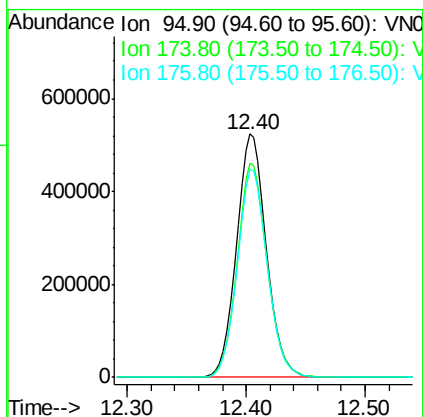
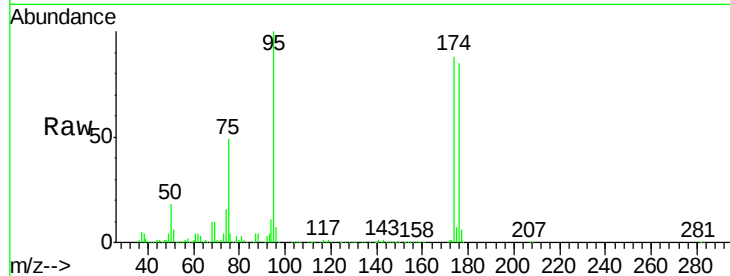




#62
4-Bromofluorobenzene
Concen: 35.34 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

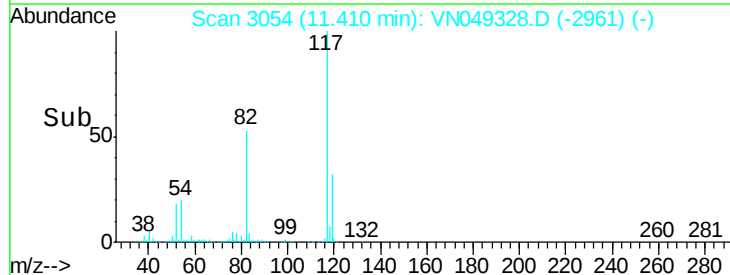
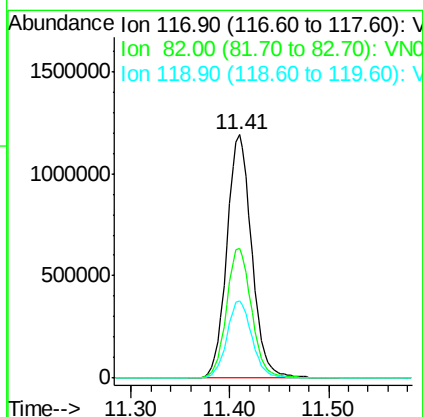
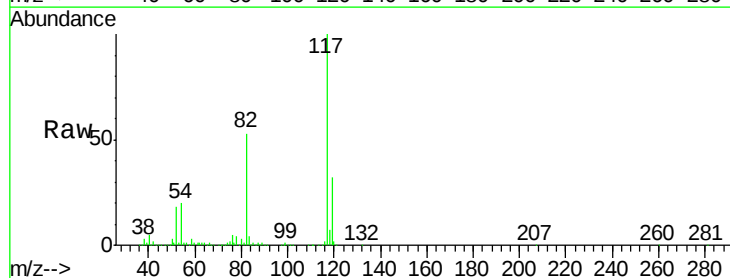
Instrument :
MSVOA_N
ClientSampleId :

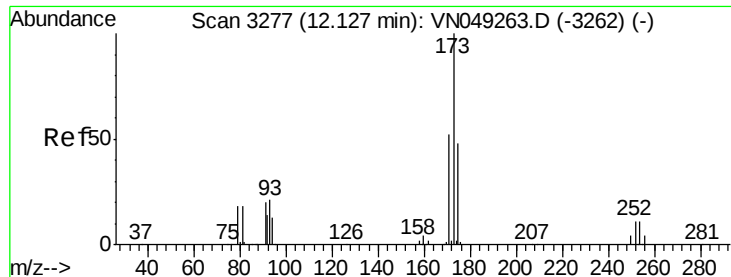
Tot Ion: 95 Resp: 906790
Ion Ratio Lower Upper
95 100
174 88.5 0.0 165.6
176 85.9 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049328.D
Acq: 16 Jun 2018 23:21

Tgt Ion: 117 Resp: 2092221
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 31.9 25.5 38.3





#71

Bromoform

Concen: 0.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

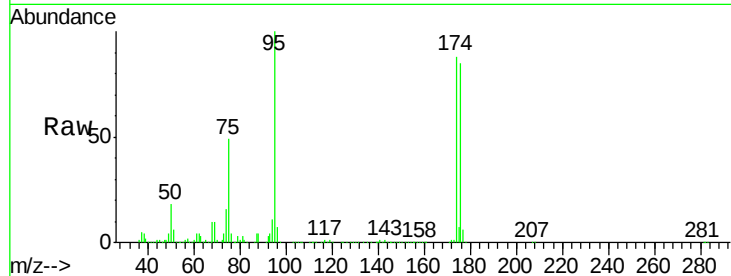
Tot Ion:173 Resp: 5825

Ion Ratio Lower Upper

173 100

175 807.2 24.5 73.5#

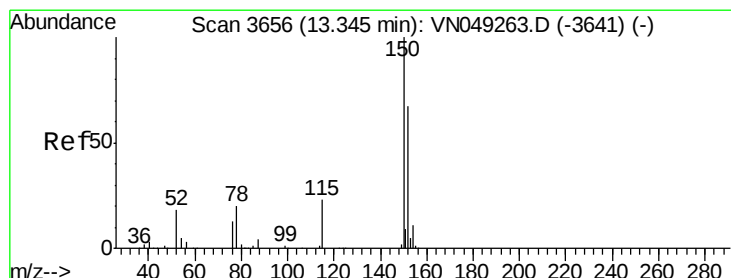
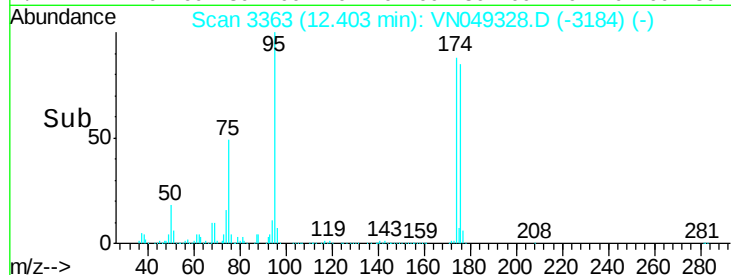
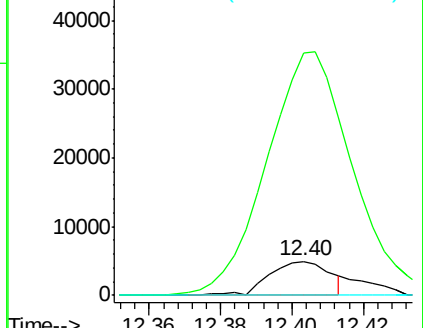
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

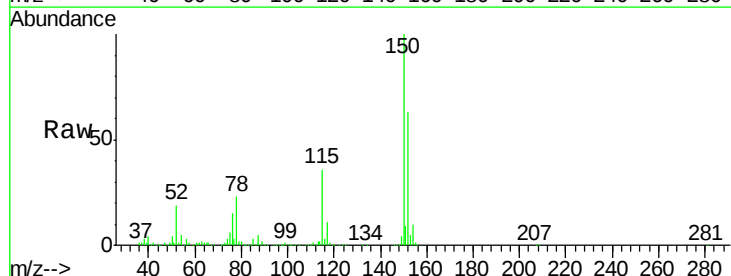
Tgt Ion:152 Resp: 620540

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

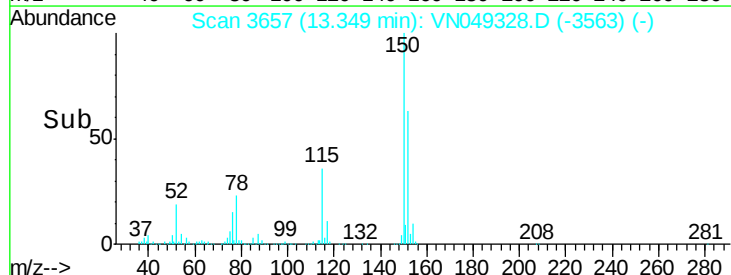
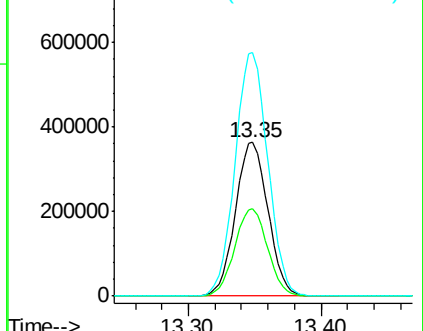
150 159.3 0.0 351.0

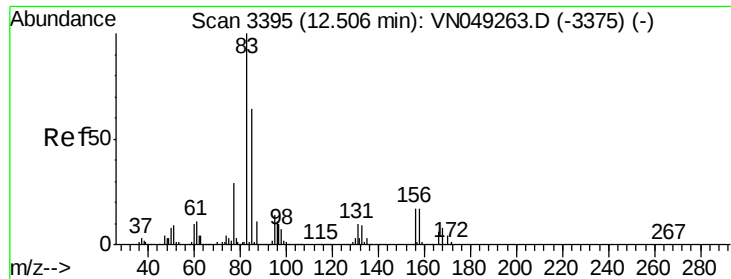


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

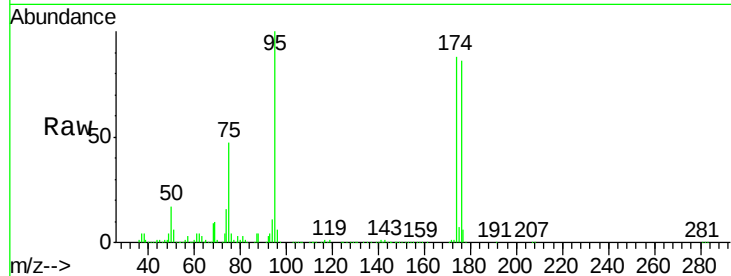
Tot Ion: 83 Resp: 668

Ion Ratio Lower Upper

83 100

131 185.9 5.0 15.0#

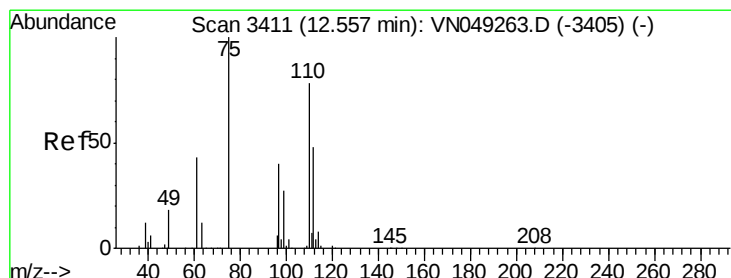
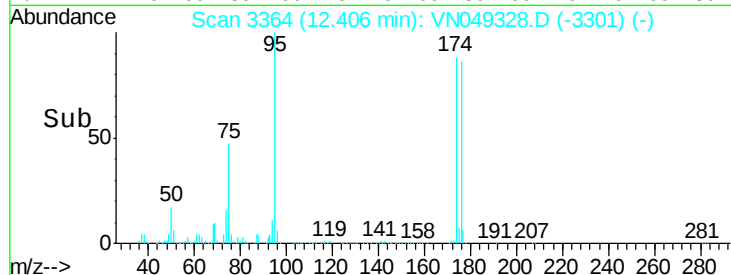
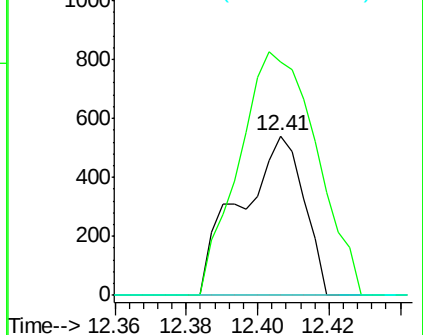
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 41.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049328.D

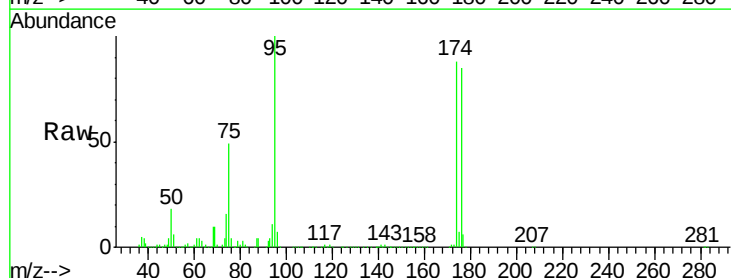
Acq: 16 Jun 2018 23:21

Tgt Ion: 75 Resp: 440362

Ion Ratio Lower Upper

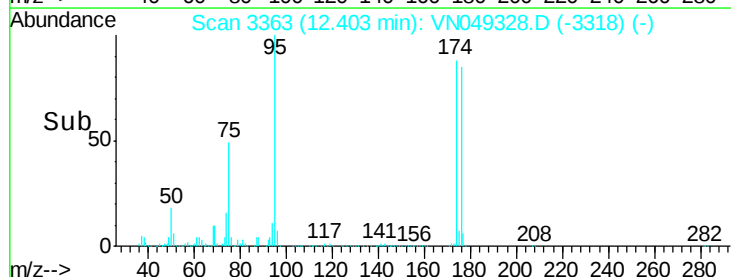
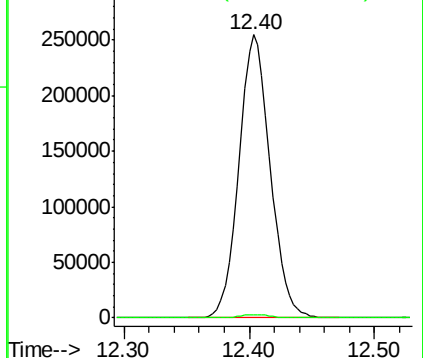
75 100

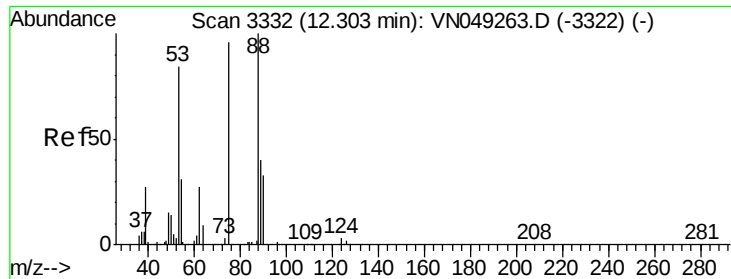
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 131.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

ClientSampleId :

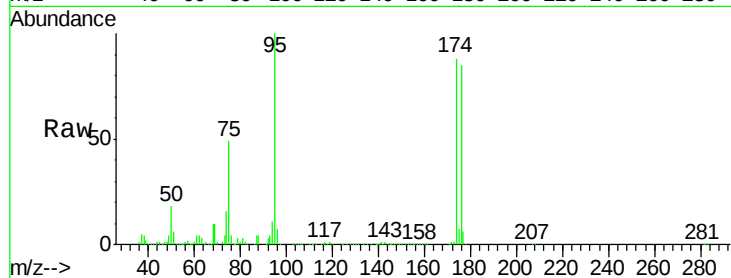
Tot Ion: 75 Resp: 440362

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

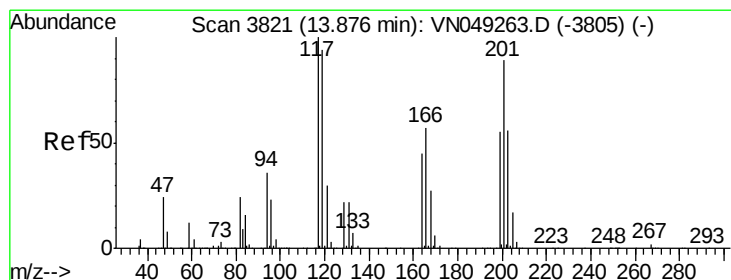
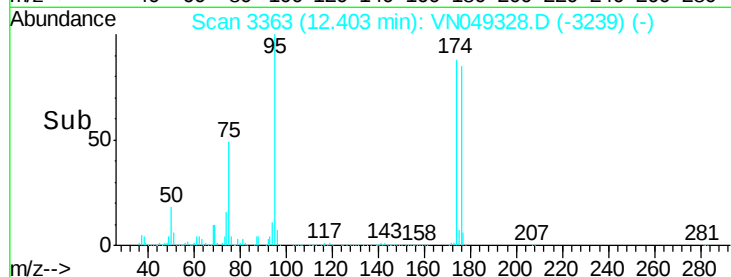
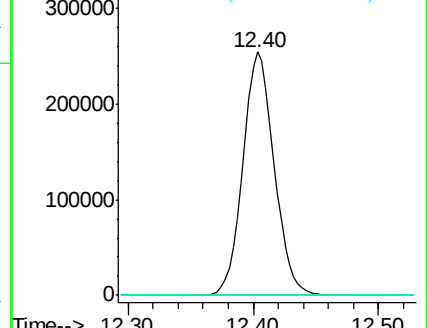
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049328.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049328.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049328.D (-3363) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3828

Delta R.T. 0.02 min

Lab File: VN049328.D

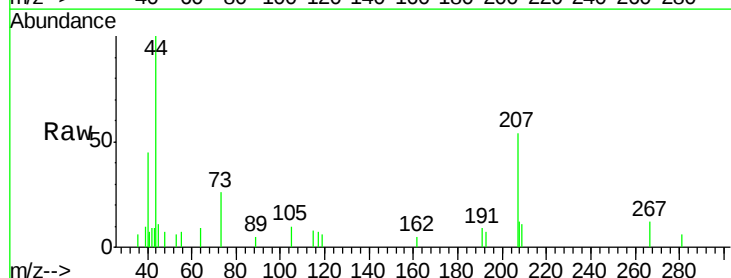
Acq: 16 Jun 2018 23:21

Tgt Ion: 117 Resp: 77

Ion Ratio Lower Upper

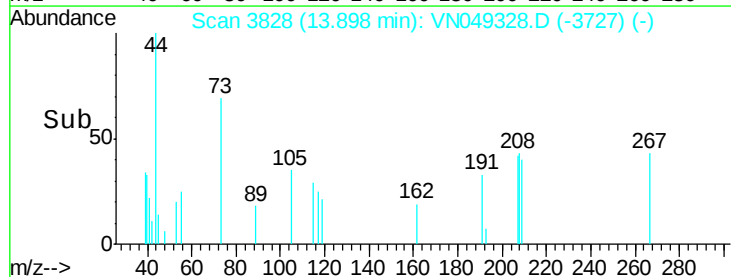
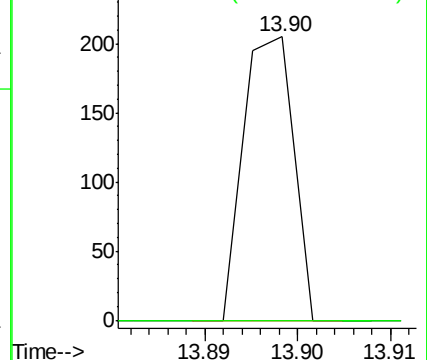
117 100

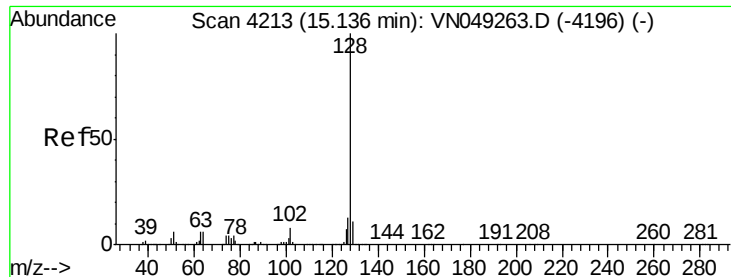
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049328.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN049328.D (-3821) (-)





#95

Naphthalene

Concen: 2.09 ug/l

RT: 15.13 min Scan# 4210

Delta R.T. -0.01 min

Lab File: VN049328.D

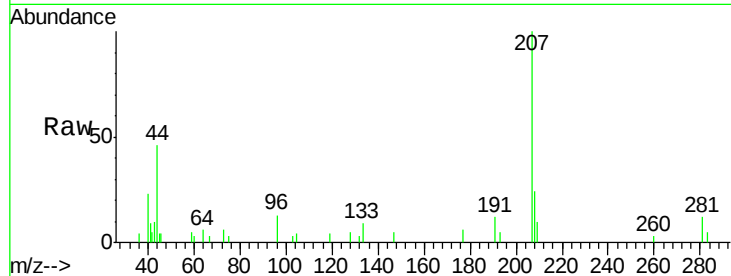
Acq: 16 Jun 2018 23:21

Instrument :

MSVOA_N

ClientSampled :

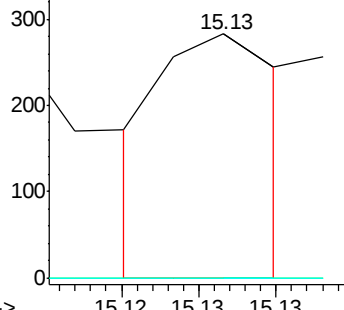
Tot Ion:	128	Resp:	151
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.5	12.7#



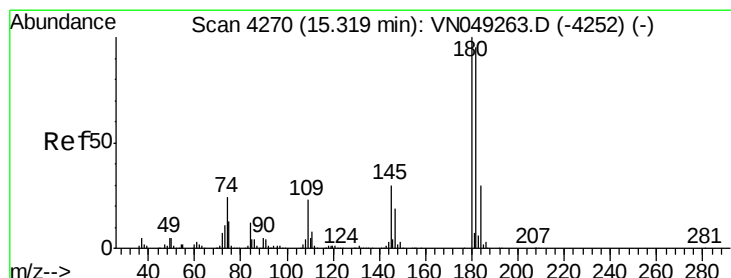
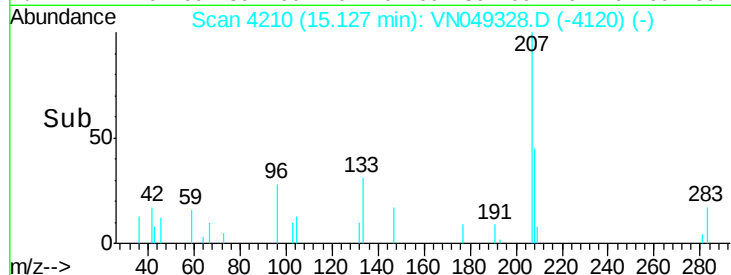
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.46 ug/l

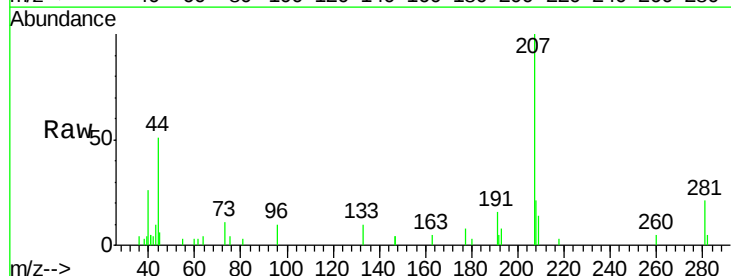
RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049328.D

Acq: 16 Jun 2018 23:21

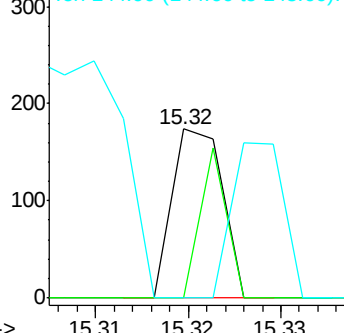
Tgt Ion:	180	Resp:	65
Ion	Ratio	Lower	Upper
180	100		
182	46.2	47.3	141.8#
145	93.8	15.6	46.7#



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



Time-->

