

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056761.D
 Acq On : 16 Jul 2019 12:17
 Operator : JC/SP
 Sample : K3836-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JOYCE-SW-7-12

Quant Time: Jul 17 01:07:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	261820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	460422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	477555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170714	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	152845	52.78	ug/l	0.00
Spiked Amount						
			Recovery	=	105.56%	
35) Dibromofluoromethane	7.59	113	139704	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
50) Toluene-d8	10.09	98	577206	52.16	ug/l	0.00
Spiked Amount						
			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	206265	55.27	ug/l	0.00
Spiked Amount						
			Recovery	=	110.54%	

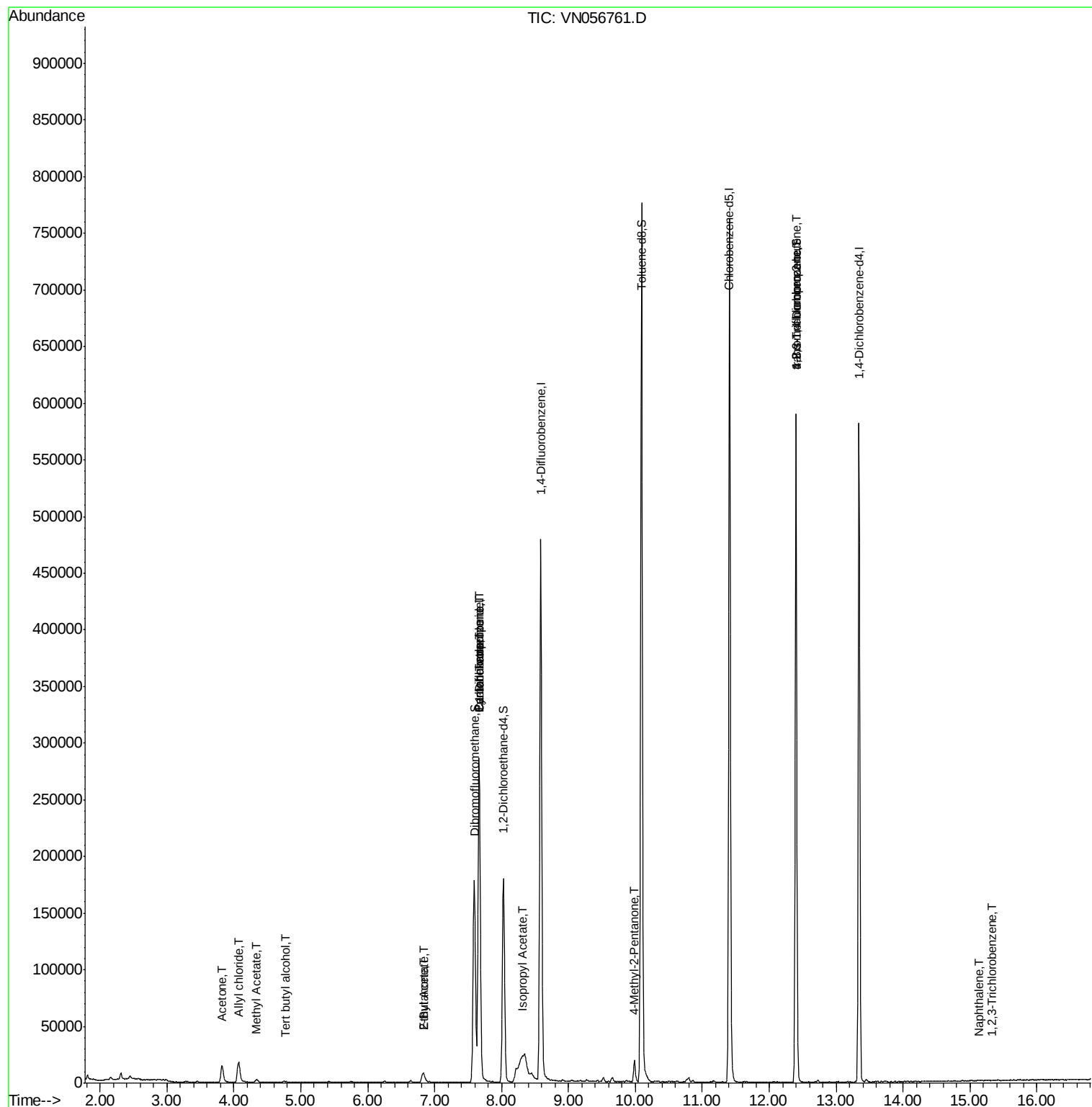
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	607	1.259	ug/l #	73
14) Allyl chloride	4.07	41	2983	0.701	ug/l #	57
16) Acetone	3.82	43	26330	19.729	ug/l	96
18) Methyl Acetate	4.34	43	5338	0.823	ug/l #	73
25) 2-Butanone	6.85	43	4270	2.188	ug/l	90
31) Cyclohexane	7.67	56	4087	0.883	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17227	4.043	ug/l #	48
37) Ethyl Acetate	6.85	43	4270	1.017	ug/l #	72
38) Carbon Tetrachloride	7.67	117	22674	5.675	ug/l #	16
43) Isopropyl Acetate	8.32	43	43186	6.542	ug/l #	54
51) 4-Methyl-2-Pentanone	9.99	43	13776	3.222	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	94524	25.316	ug/l #	100
79) 2-Chlorotoluene	12.60	91	65	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	94524	78.184	ug/l #	13
95) Naphthalene	15.13	128	414	4.567	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	110	3.354	ug/l #	34

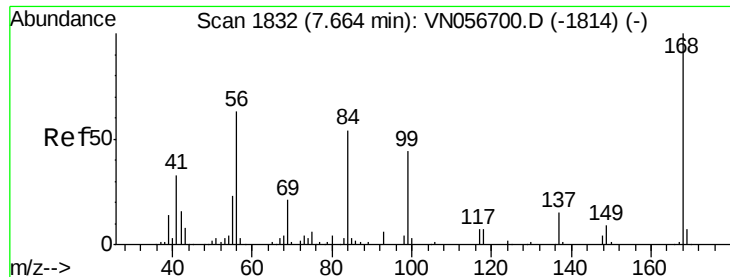
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 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: VN056761.D

Acq: 16 Jul 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

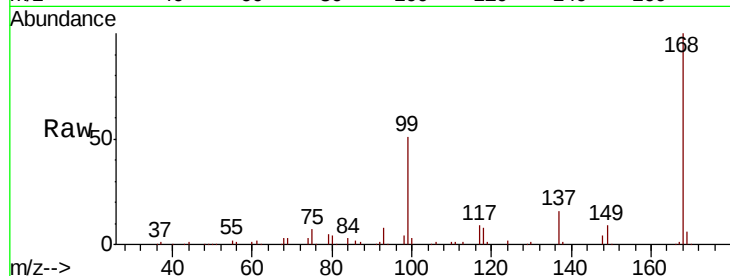
JOYCE-SW-7-12

Tot Ion:168 Resp: 261820

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056761.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056761.D (-1739) (-)

7.66

100000

80000

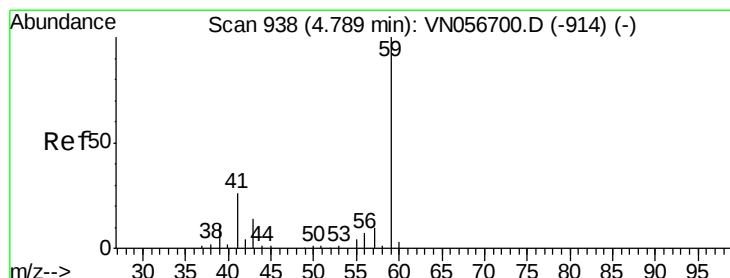
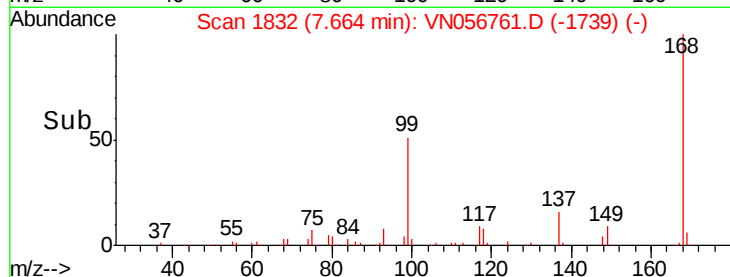
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.259 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN056761.D

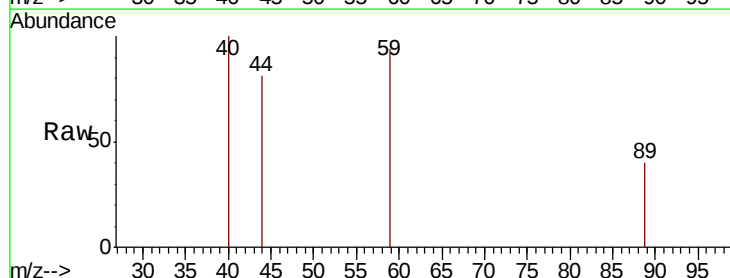
Acq: 16 Jul 2019 12:17

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN056761.D (-845) (-)

Ion 57.00 (56.70 to 57.70): VN056761.D (-845) (-)

4.79

400

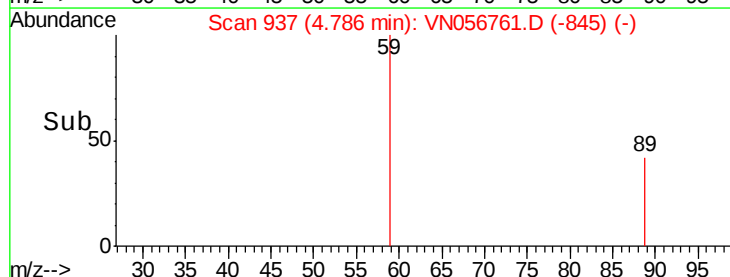
300

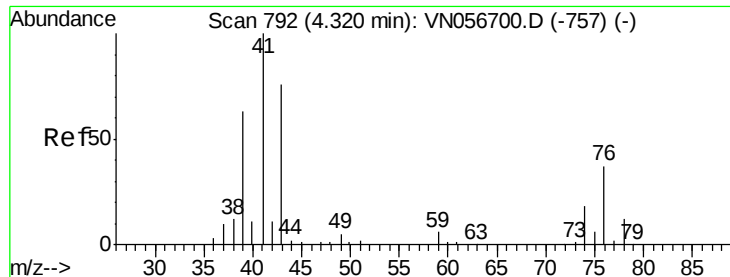
200

100

0

Time-->

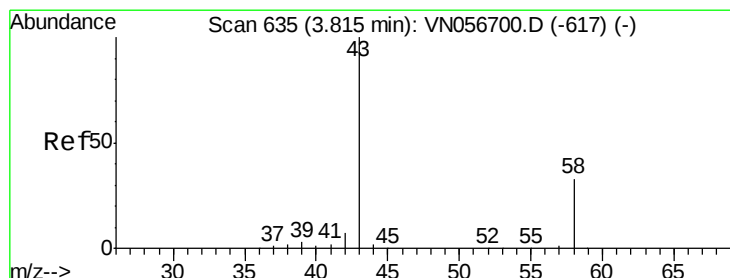
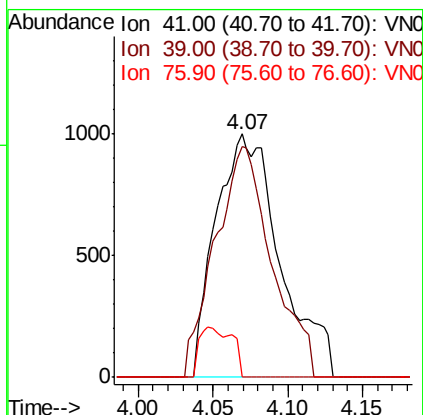
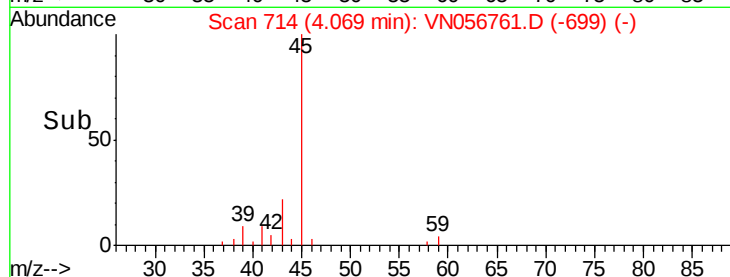
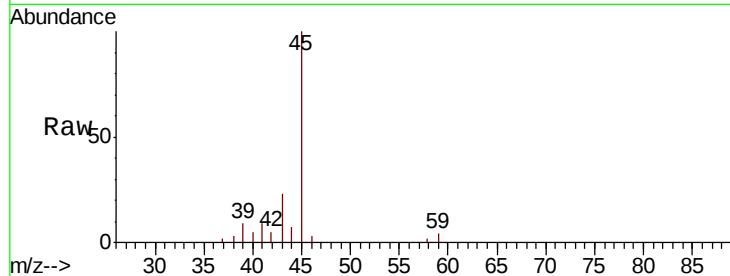




#14
Allvl chloride
Concen: 0.701 ug/l
RT: 4.07 min Scan# 714
Delta R.T. -0.25 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

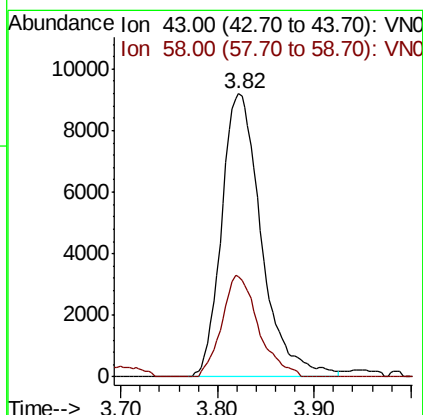
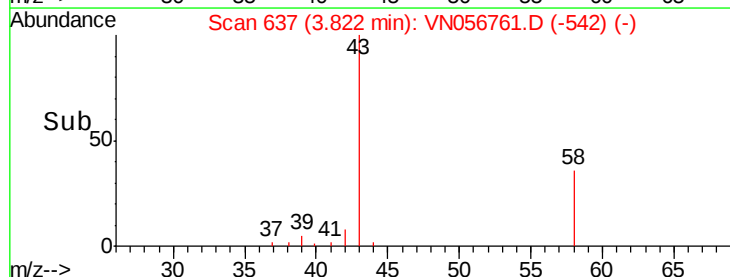
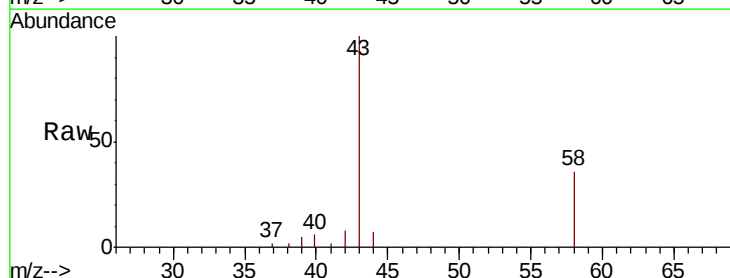
Instrument :
MSVOA_N
ClientSampleId :
JOYCE-SW-7-12

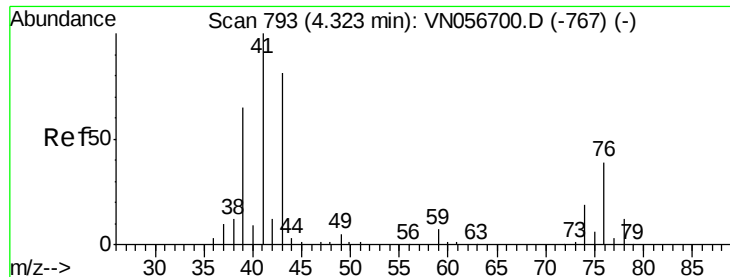
Tot Ion: 41 Resp: 2983
Ion Ratio Lower Upper
41 100
39 83.8 46.9 70.3#
76 0.0 26.5 39.7#



#16
Acetone
Concen: 19.729 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

Tgt Ion: 43 Resp: 26330
Ion Ratio Lower Upper
43 100
58 35.5 26.7 40.1

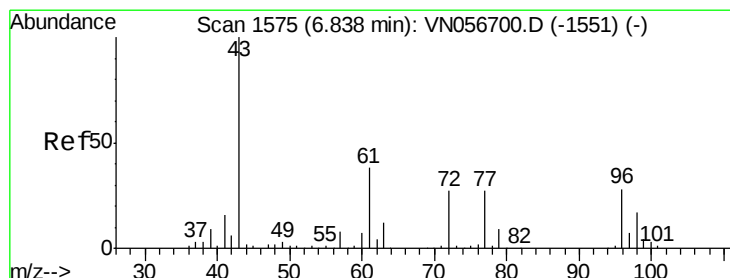
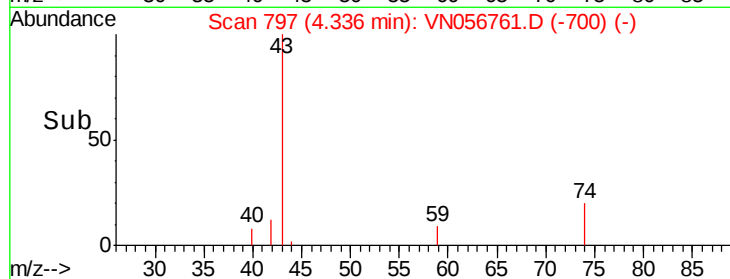
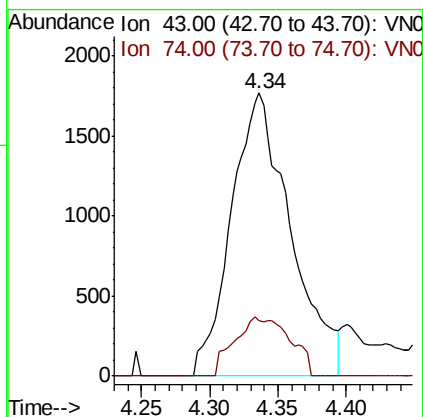
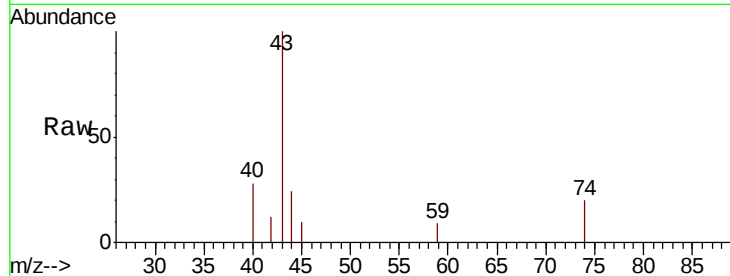




#18
Methyl Acetate
Concen: 0.823 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

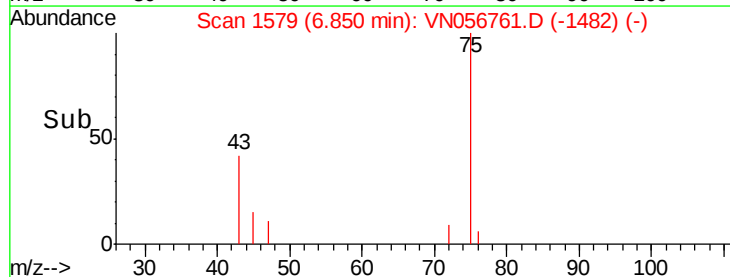
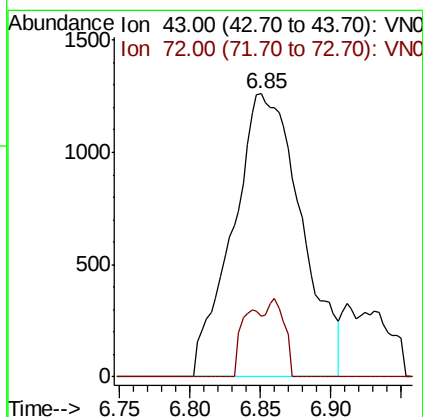
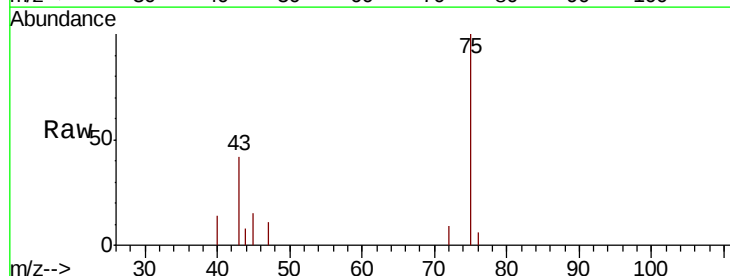
Instrument :
MSVOA_N
ClientSampleId :
JOYCE-SW-7-12

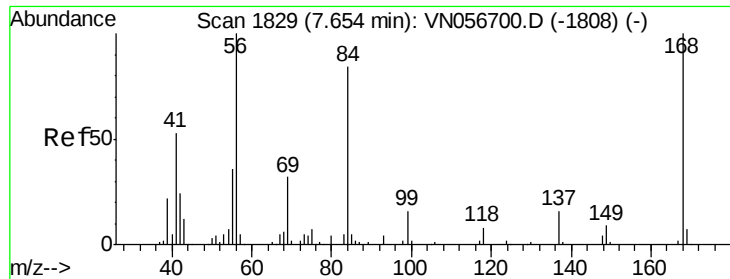
Tot Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
74 10.4 18.9 28.3#



#25
2-Butanone
Concen: 2.188 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

Tgt Ion: 43 Resp: 4270
Ion Ratio Lower Upper
43 100
72 21.5 21.2 31.8

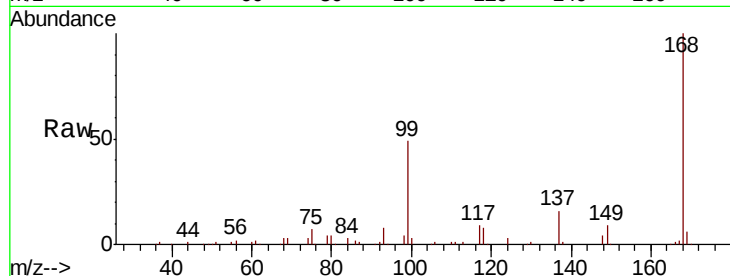




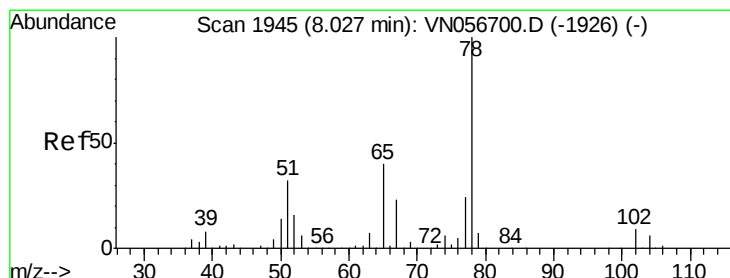
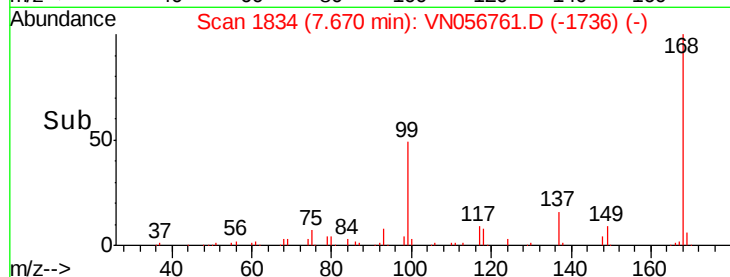
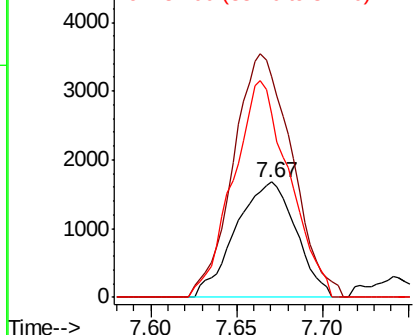
#31
Cyclohexane
Concen: 0.883 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
JOYCE-SW-7-12

Tot Ion: 56 Resp: 4087
Ion Ratio Lower Upper
56 100
69 191.4 25.8 38.8#
84 159.1 67.4 101.0#

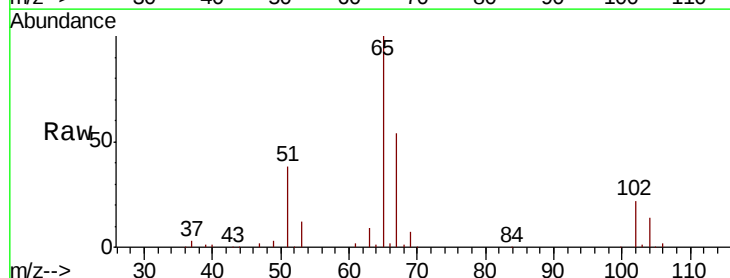


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

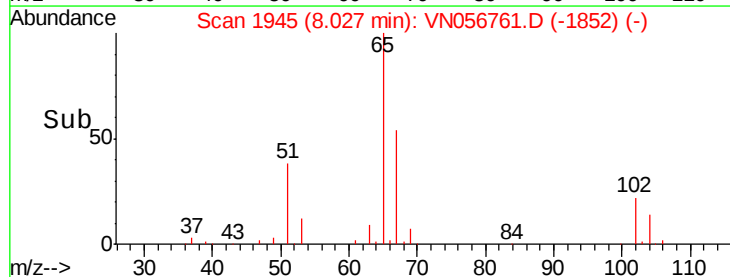
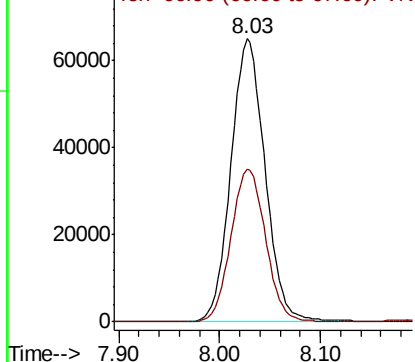


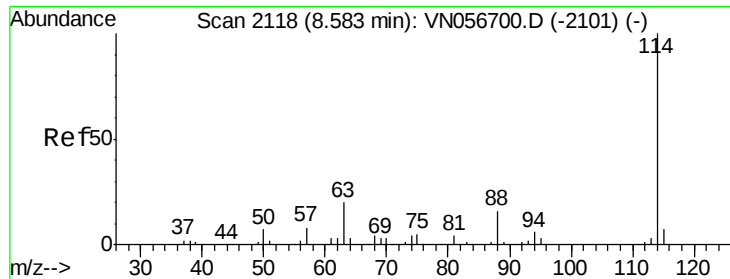
#33
1,2-Dichloroethane-d4
Concen: 52.776 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

Tgt Ion: 65 Resp: 152845
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.0



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

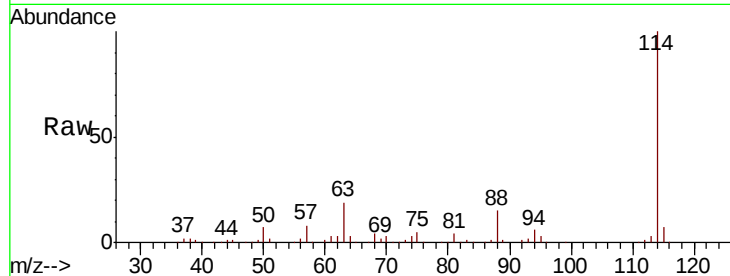




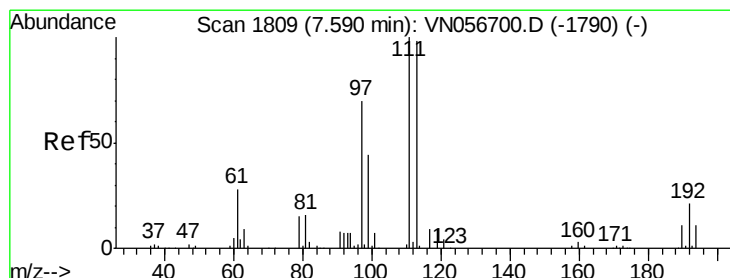
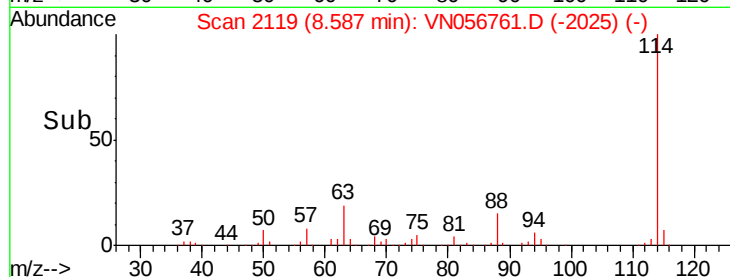
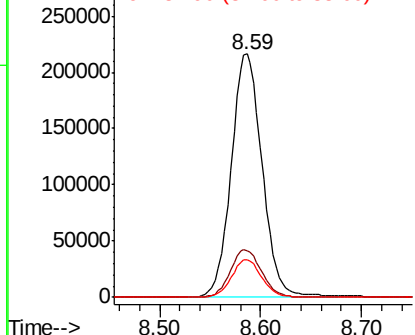
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 JOYCE-SW-7-12

Tot Ion:114 Resp: 460422
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.4
 88 15.3 0.0 31.2

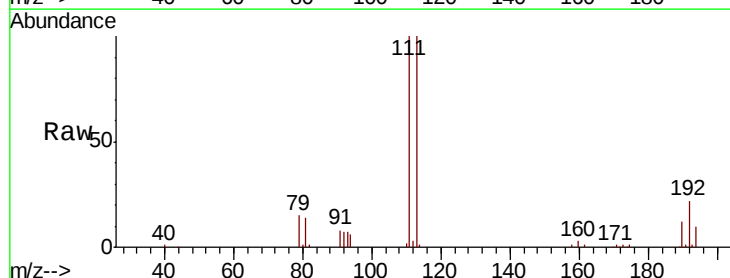


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

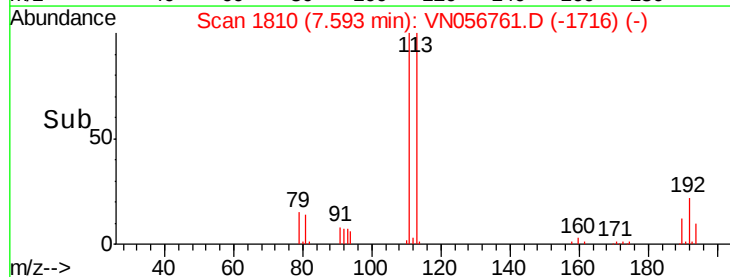
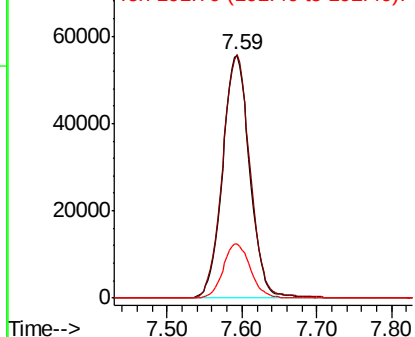


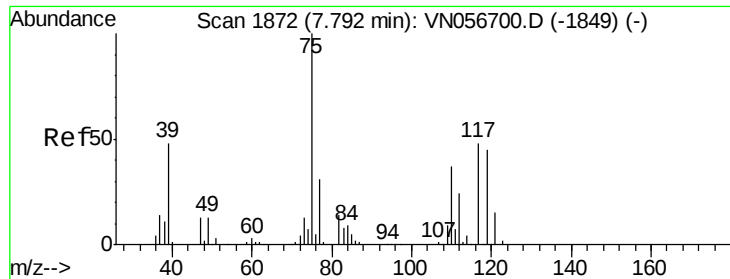
#35
 Dibromofluoromethane
 Concen: 48.757 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

Tgt Ion:113 Resp: 139704
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.6
 192 22.3 17.5 26.3



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

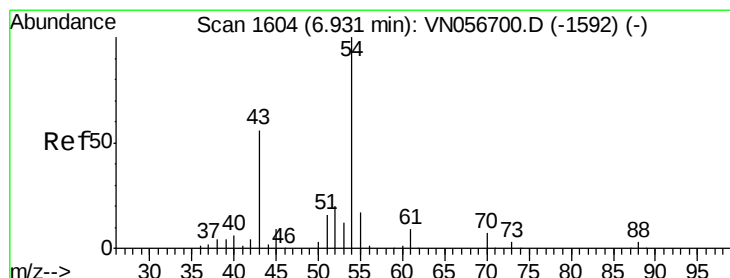
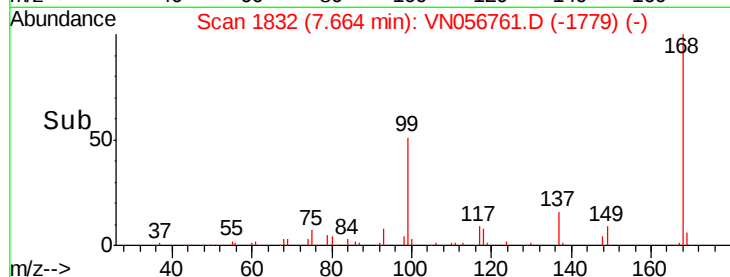
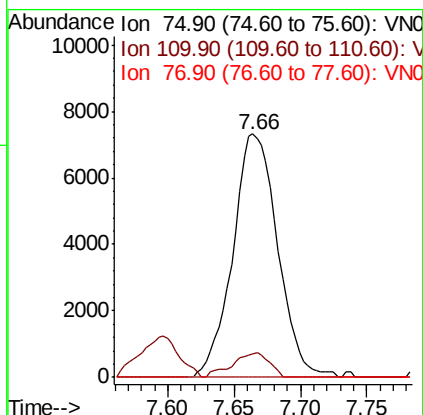
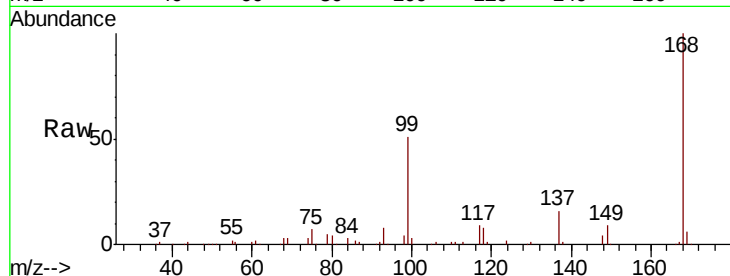




#36
 1,1-Dichloropropene
 Concen: 4.043 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

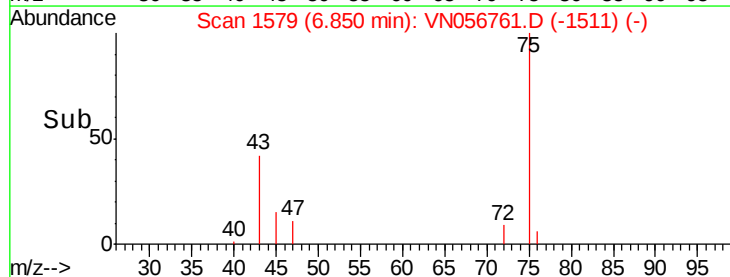
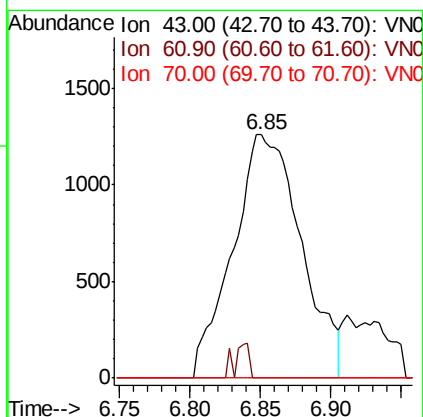
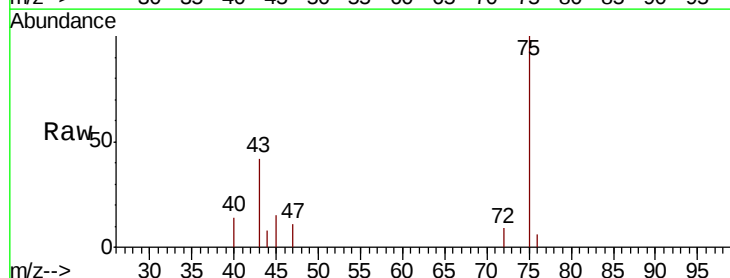
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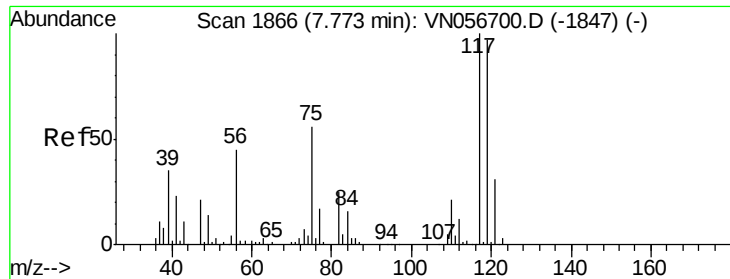
Tot Ion: 75 Resp: 17227
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.4 55.4#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.017 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. -0.08 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

Tgt Ion: 43 Resp: 4270
 Ion Ratio Lower Upper
 43 100
 61 3.0 11.3 16.9#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

JOYCE-SW-7-12

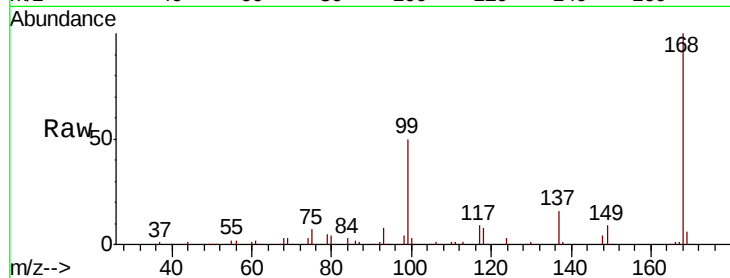
Tot Ion:117 Resp: 22674

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

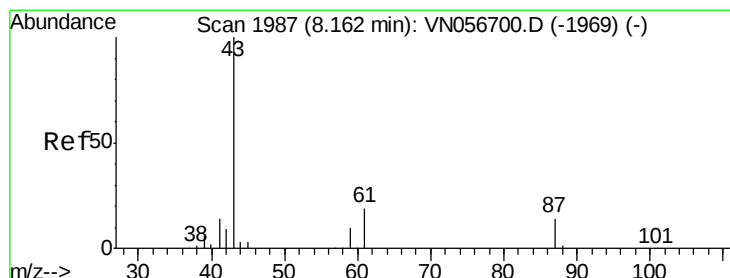
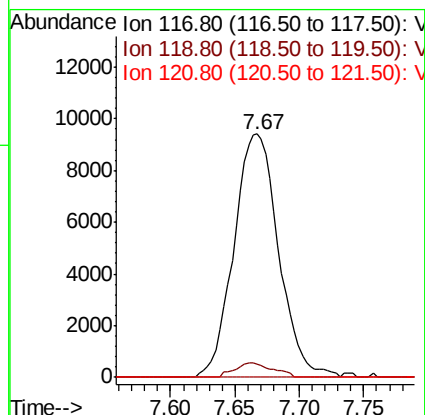
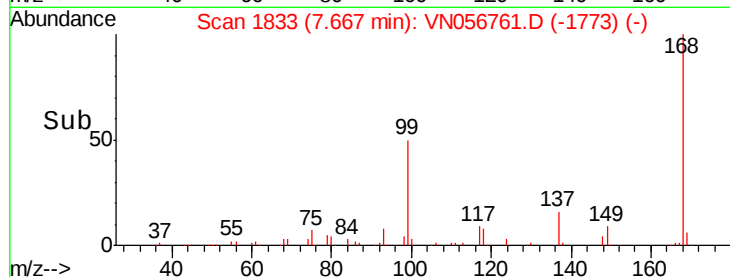
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 6.542 ug/l

RT: 8.32 min Scan# 2036

Delta R.T. 0.16 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

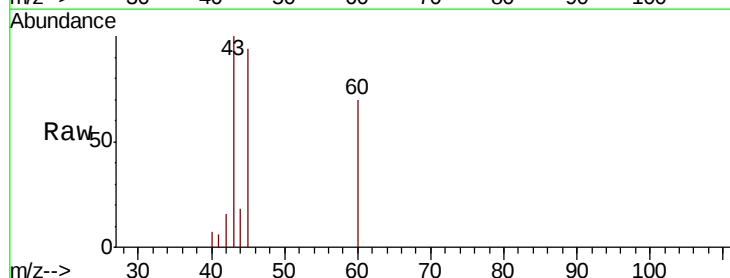
Tgt Ion: 43 Resp: 43186

Ion Ratio Lower Upper

43 100

61 0.3 22.3 33.5#

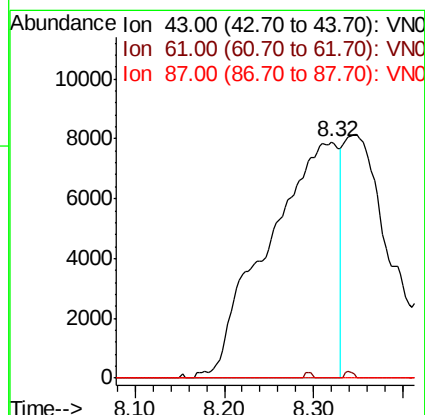
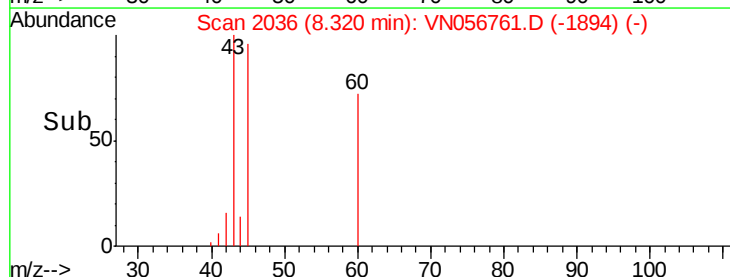
87 0.0 11.1 16.7#

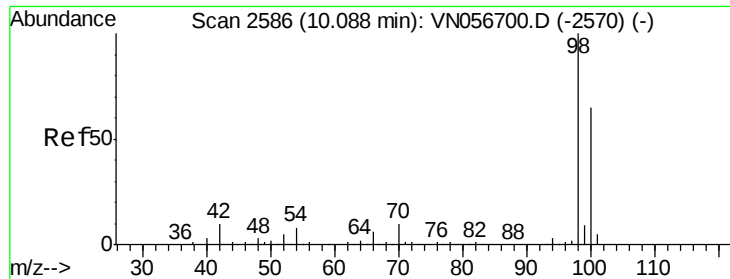


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 52.158 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

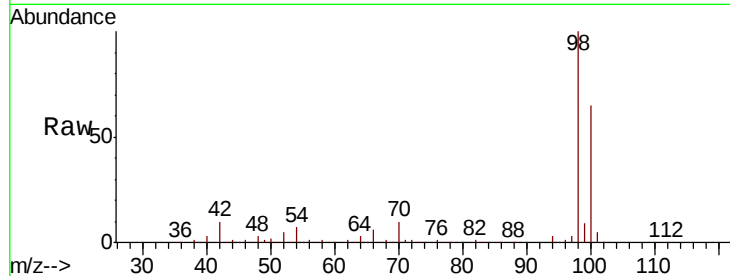
JOYCE-SW-7-12

Tot Ion: 98 Resp: 577206

Ion Ratio Lower Upper

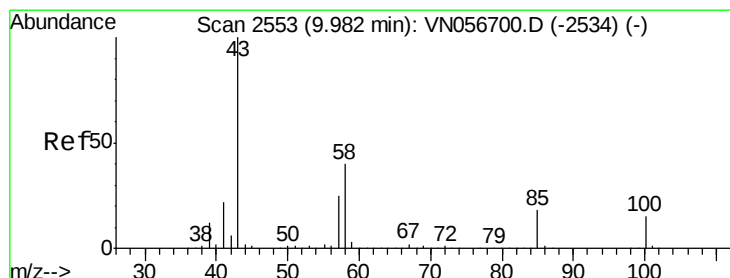
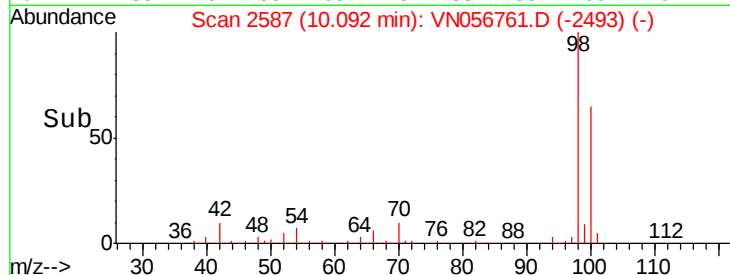
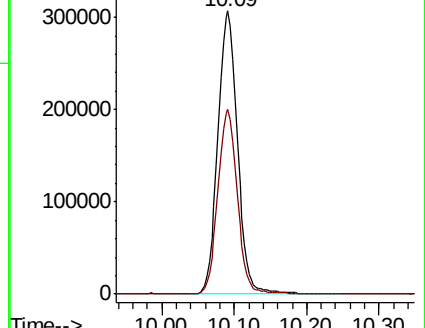
98 100

100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056761.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056761.D (-2493) (-)



#51

4-Methyl-2-Pentanone

Concen: 3.222 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056761.D

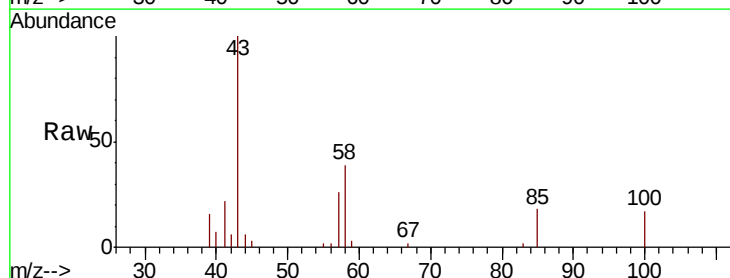
Acq: 16 Jul 2019 12:17

Tgt Ion: 43 Resp: 13776

Ion Ratio Lower Upper

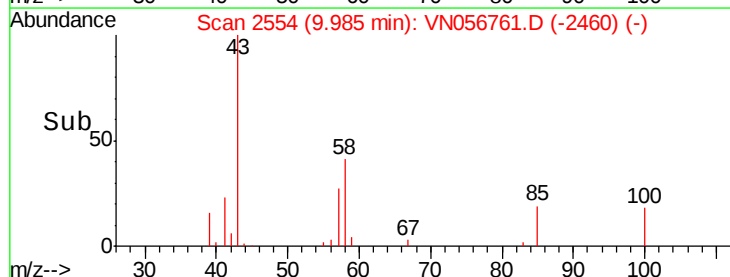
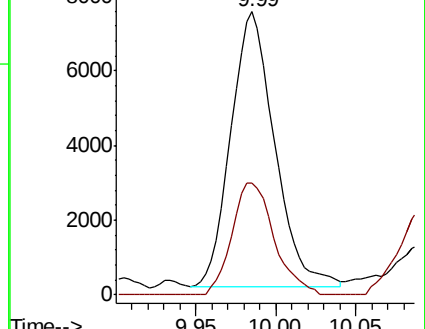
43 100

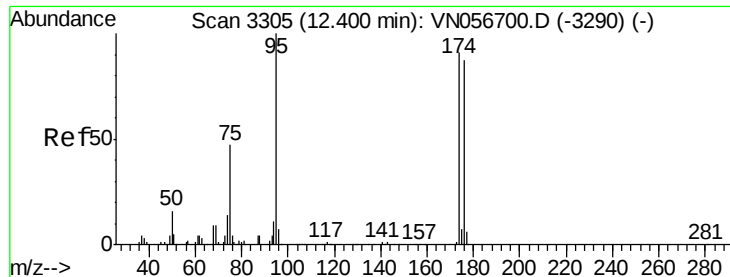
58 39.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056761.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN056761.D (-2460) (-)

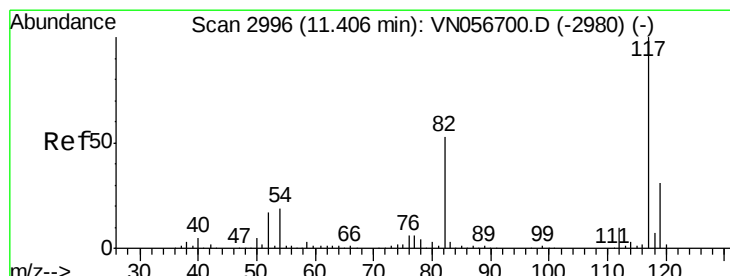
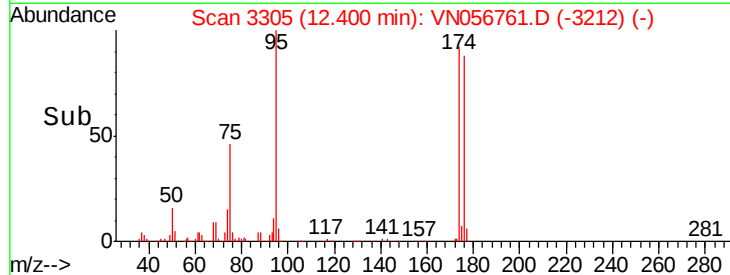
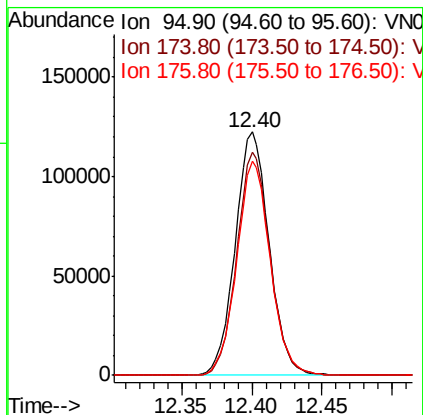
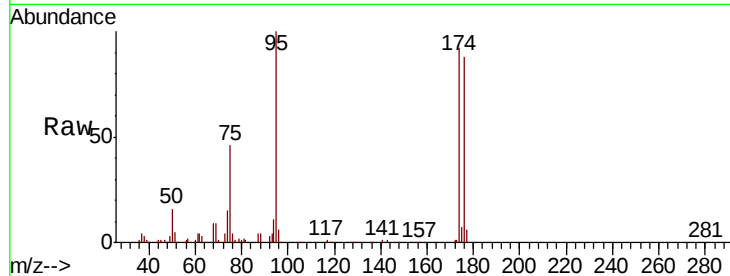




#62
4-Bromofluorobenzene
Concen: 55.270 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

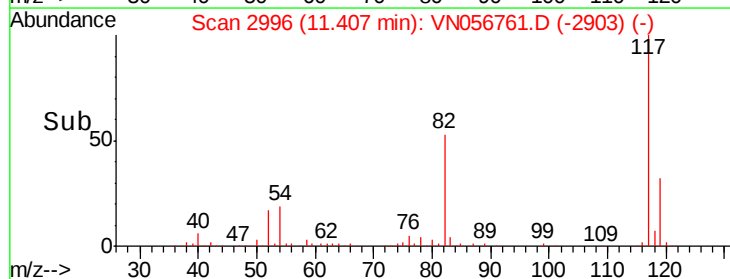
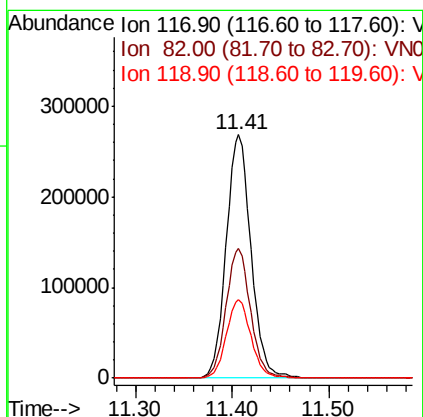
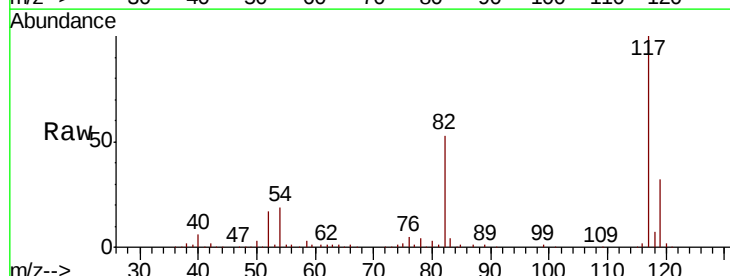
Instrument :
MSVOA_N
ClientSampleId :
JOYCE-SW-7-12

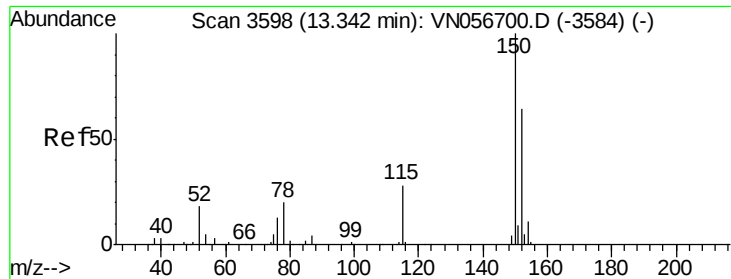
Tot Ion	95	Resp	206265
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	180.0
176	87.1	0.0	173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056761.D
Acq: 16 Jul 2019 12:17

Tgt Ion	117	Resp	477555
Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.2
119	32.1	25.2	37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

JOYCE-SW-7-12

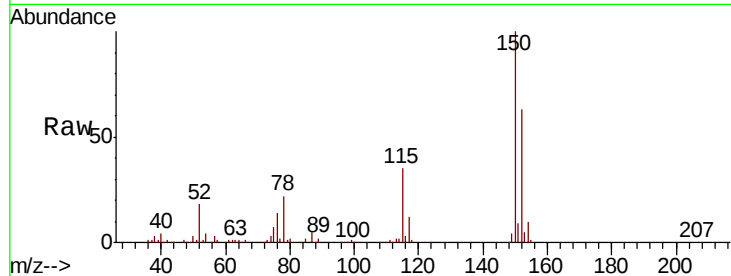
Tot Ion:152 Resp: 170714

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

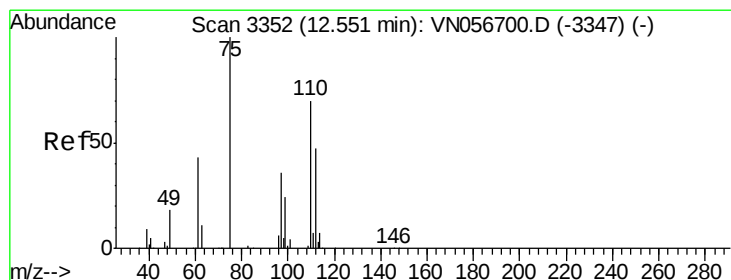
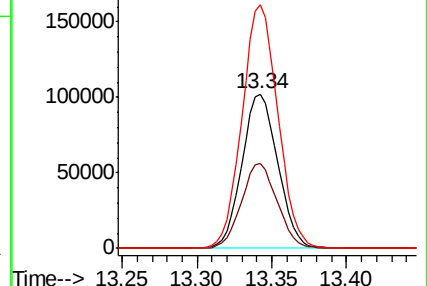
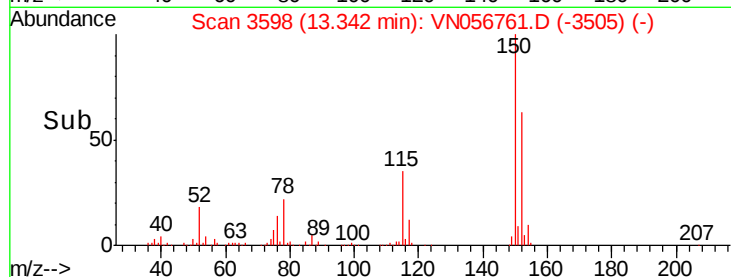
150 157.5 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 25.316 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056761.D

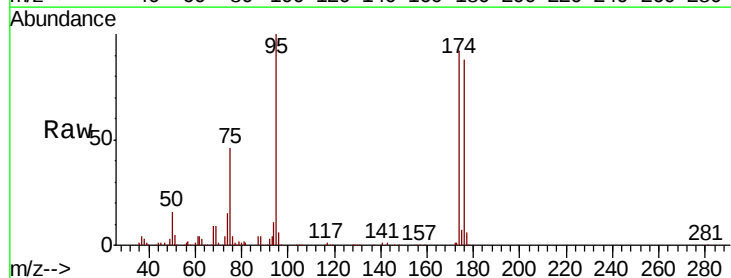
Acq: 16 Jul 2019 12:17

Tgt Ion: 75 Resp: 94524

Ion Ratio Lower Upper

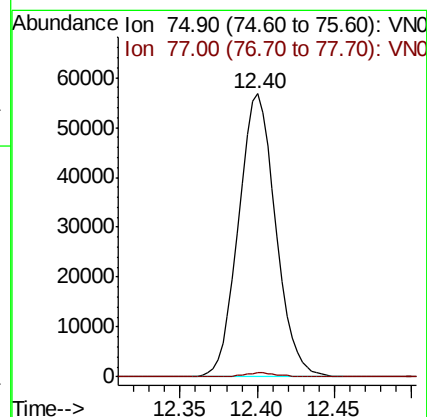
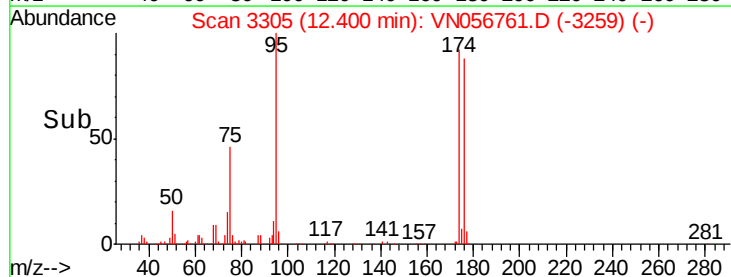
75 100

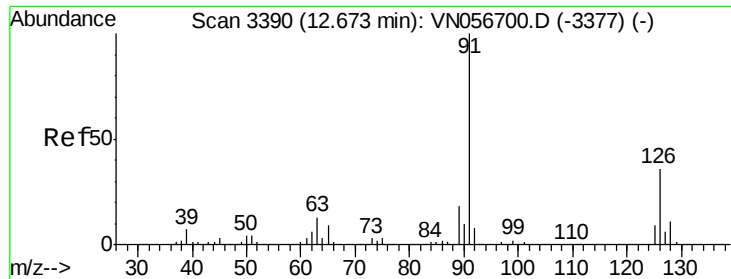
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

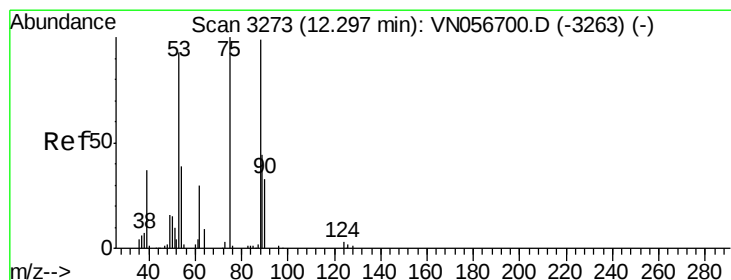
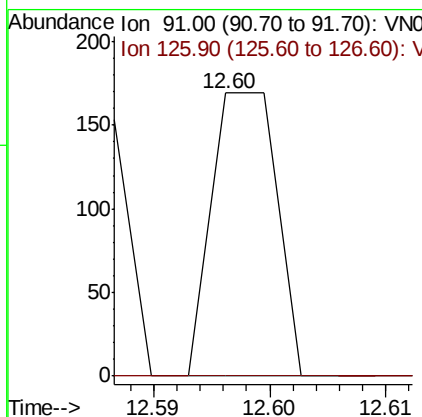
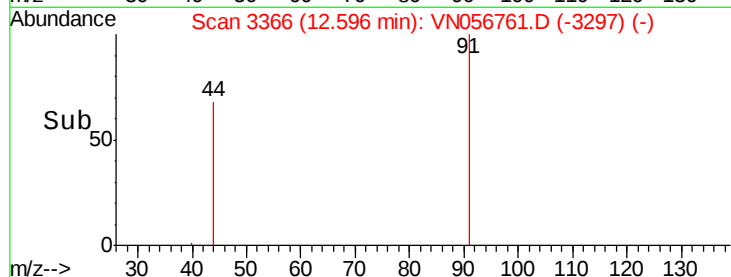
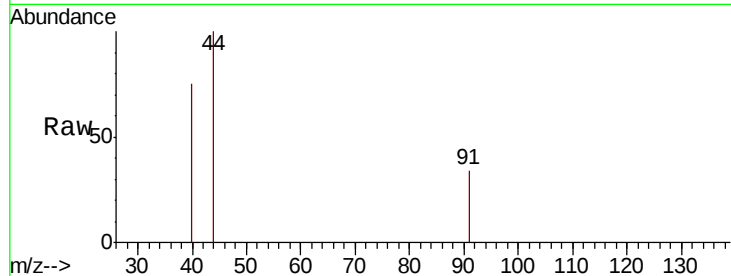




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.60 min Scan# 3366
 Delta R.T. -0.08 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

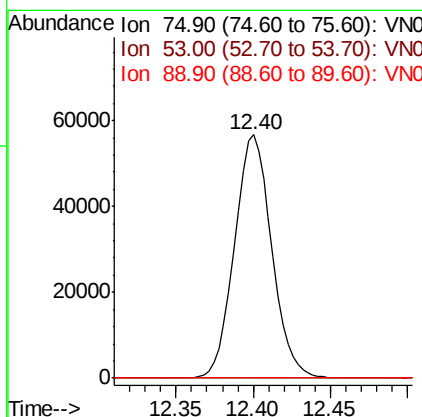
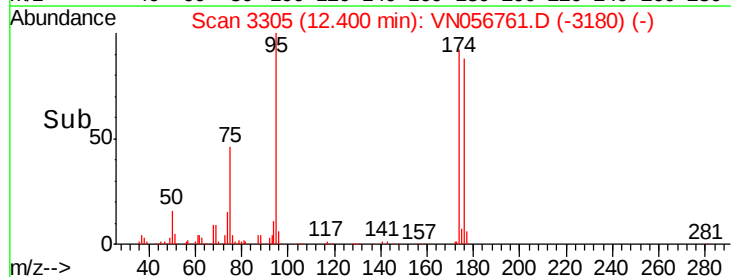
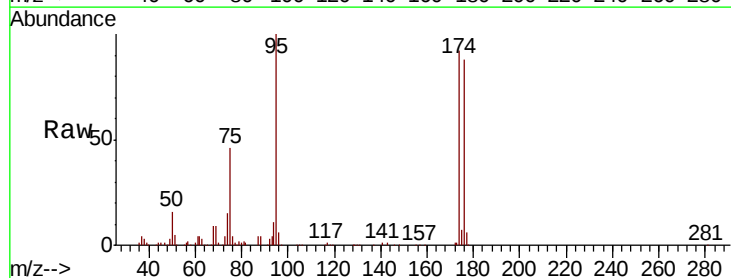
Instrument :
 MSVOA_N
 ClientSampleId :
 JOYCE-SW-7-12

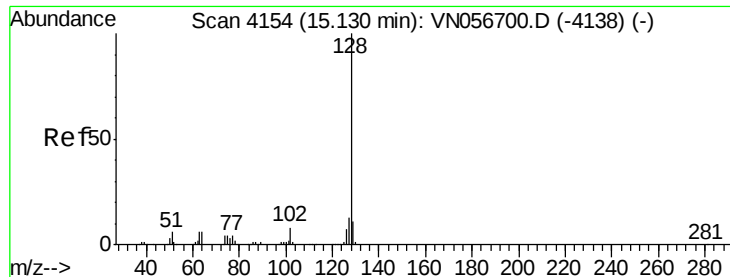
Tot Ion: 91 Resp: 65
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.184 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056761.D
 Acq: 16 Jul 2019 12:17

Tgt Ion: 75 Resp: 94524
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.7 110.5#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 4.567 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

Instrument :

MSVOA_N

ClientSampled :

JOYCE-SW-7-12

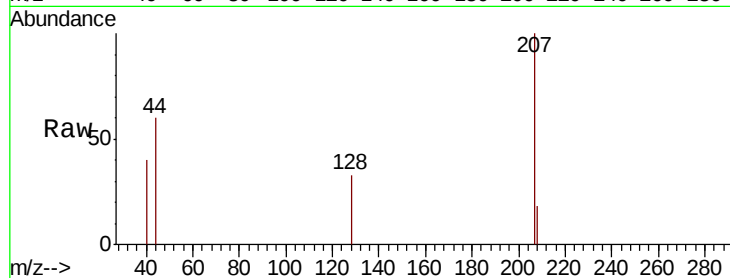
Tot Ion:128 Resp: 414

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

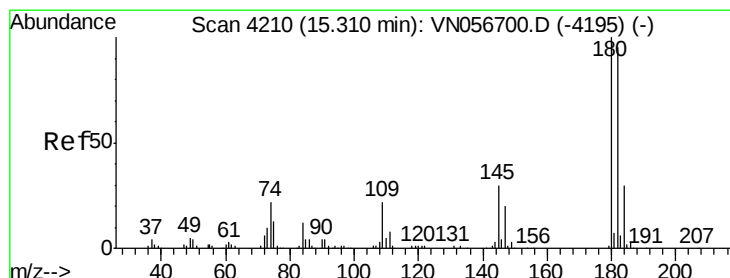
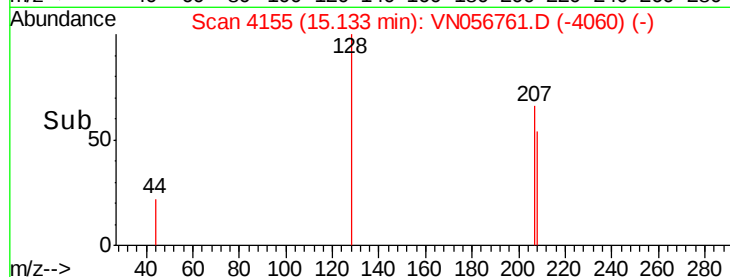
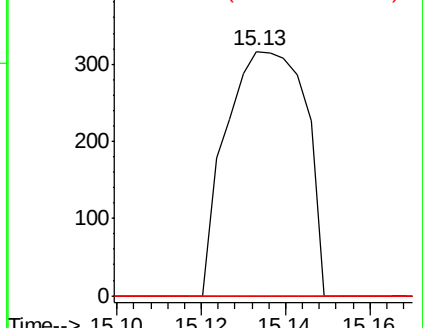
129 0.0 8.7 13.1#



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: 3.354 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056761.D

Acq: 16 Jul 2019 12:17

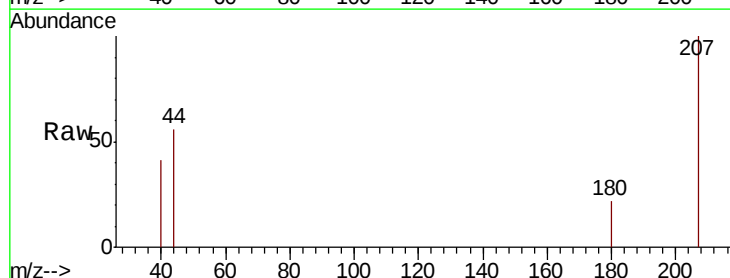
Tgt Ion:180 Resp: 110

Ion Ratio Lower Upper

180 100

182 27.3 47.1 141.3#

145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

