

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052931.D
 Acq On : 17 Dec 2018 16:58
 Operator : MD\SY
 Sample : PB115729ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampled :
 PB115729ZHE#01

Quant Time: Dec 18 04:45:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1365313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	742236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	698345	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.59	113	502337	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	
50) Toluene-d8	10.09	98	2594889	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	844309	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

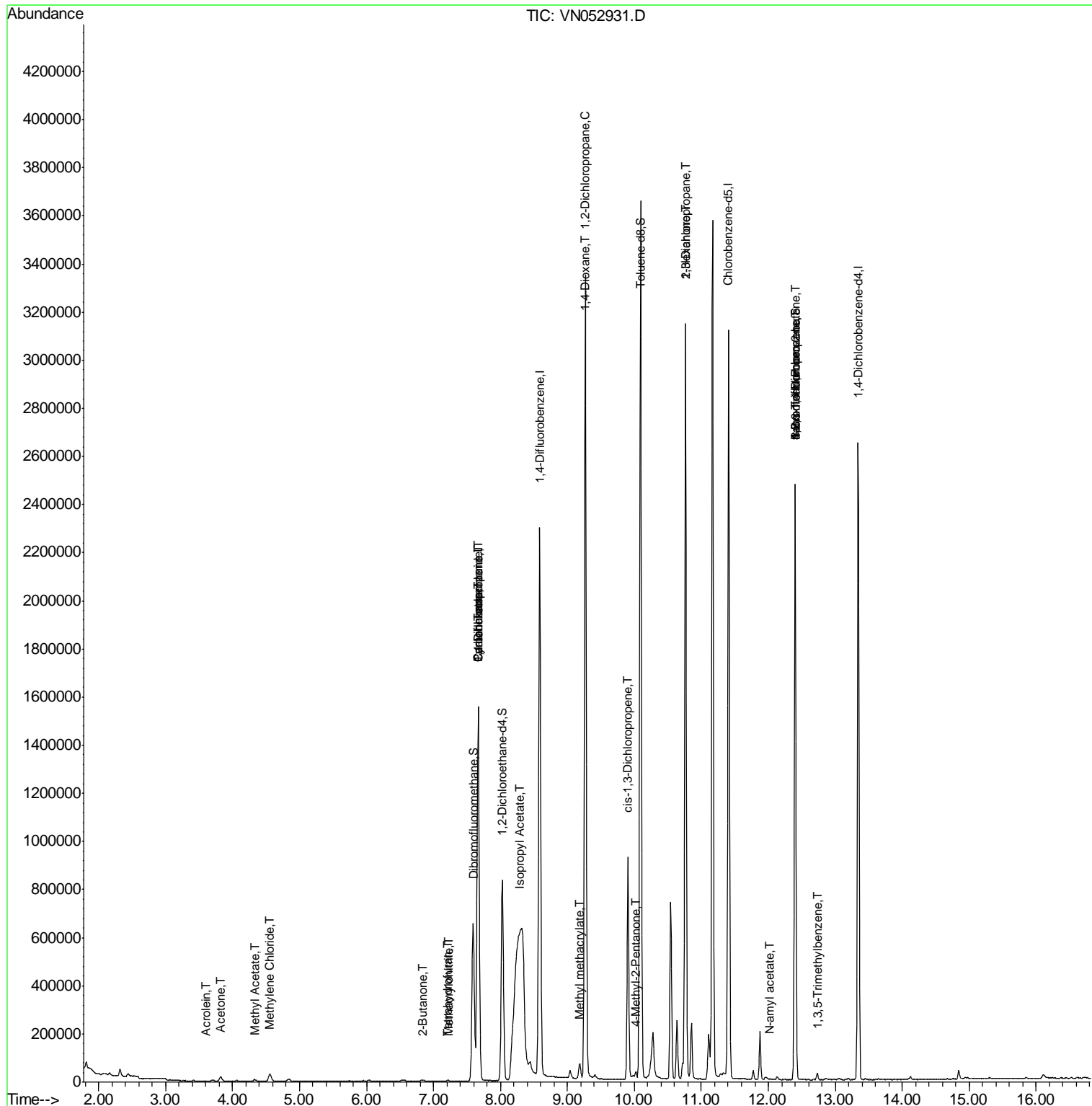
						Qvalue
13) Acrolein	3.61	56	535	0.701	ug/l #	83
16) Acetone	3.82	43	28579	8.765	ug/l	96
18) Methyl Acetate	4.33	43	12094	1.011	ug/l #	75
20) Methylene Chloride	4.55	84	22069	1.504	ug/l	98
25) 2-Butanone	6.84	43	4156	0.821	ug/l #	84
29) Tetrahydrofuran	7.21	42	2286	0.662	ug/l #	52
31) Cyclohexane	7.66	56	23275	0.370	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	90395	4.601	ug/l #	49
38) Carbon Tetrachloride	7.67	117	119729	6.620	ug/l #	16
41) Methacrylonitrile	7.21	41	1360	0.208	ug/l #	27
43) Isopropyl Acetate	8.27	43	1075541	44.444	ug/l #	53
45) 1,2-Dichloropropane	9.27	63	3977	0.257	ug/l #	44
48) Methyl methacrylate	9.18	41	21845	2.058	ug/l #	23
49) 1,4-Dioxane	9.25	88	294	2.441	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	24747	2.230	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	173348	7.782	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	32730	1.497	ug/l #	42
59) 2-Hexanone	10.76	43	455183	59.855	ug/l #	50
71) Bromoform	12.40	173	5200	0.561	ug/l #	1
74) N-amyl acetate	12.02	43	4116	0.271	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	396318	36.191	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	11308	0.253	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	396318	116.262	ug/l #	12

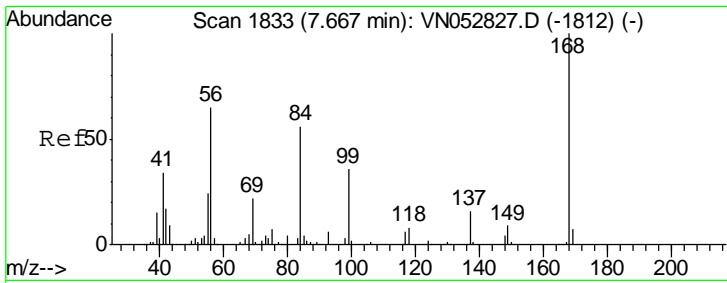
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration

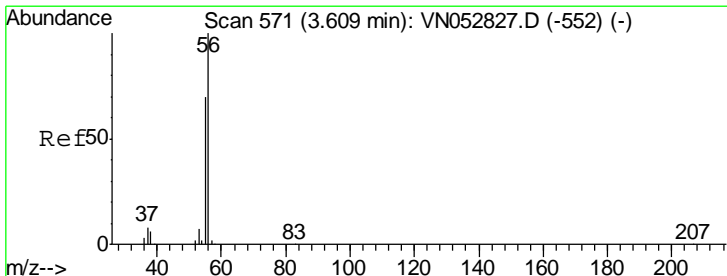
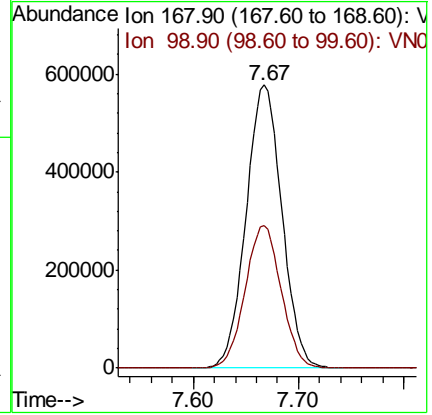
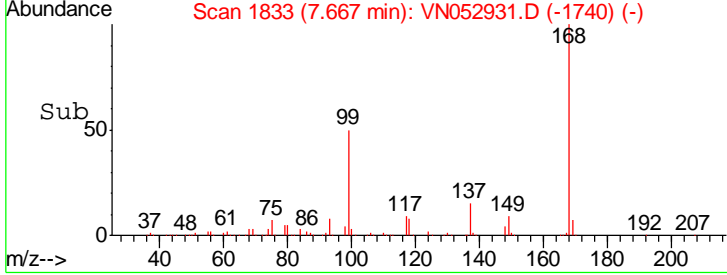
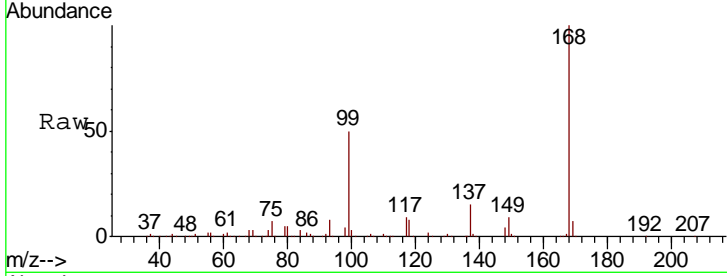




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

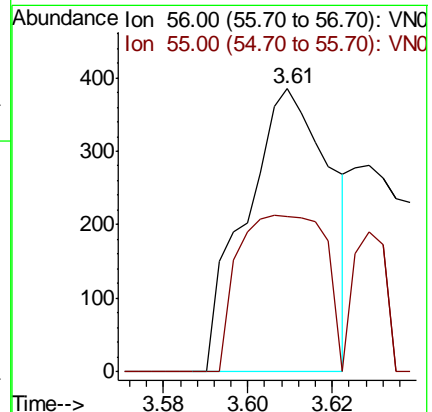
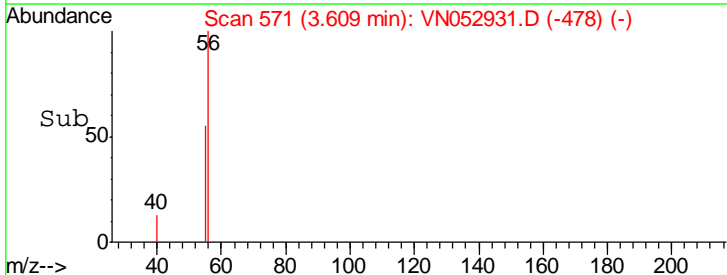
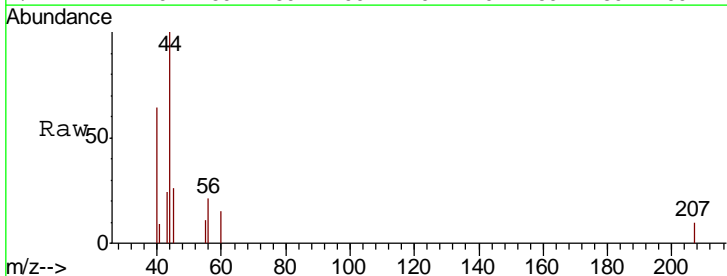
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

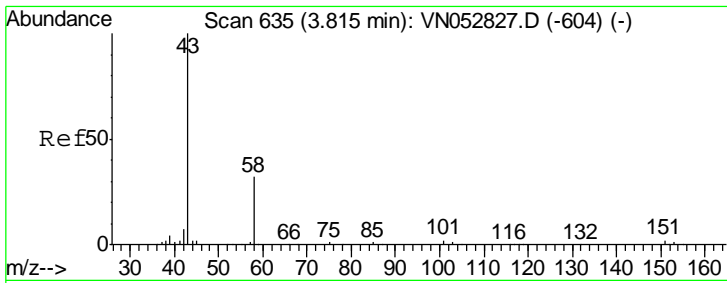
Tgt Ion: 168 Resp: 1365313
 Ion Ratio Lower Upper
 168 100
 99 50.5 40.2 60.2



#13
 Acrolein
 Concen: 0.701 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion: 56 Resp: 535
 Ion Ratio Lower Upper
 56 100
 55 56.4 56.6 85.0#

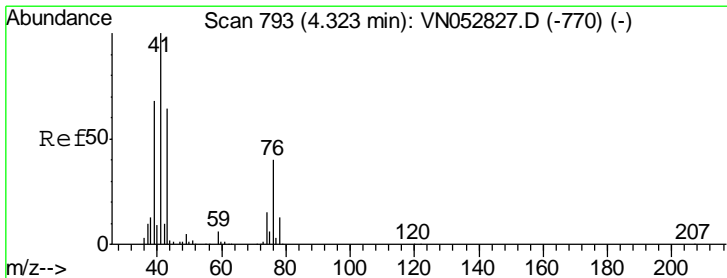
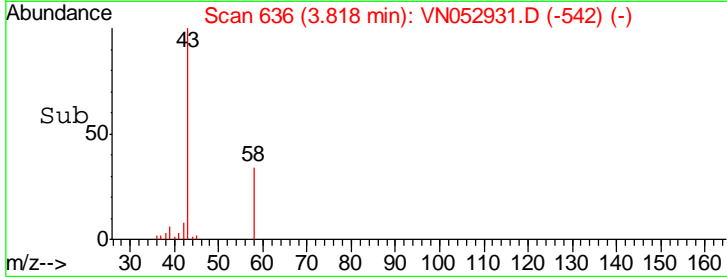
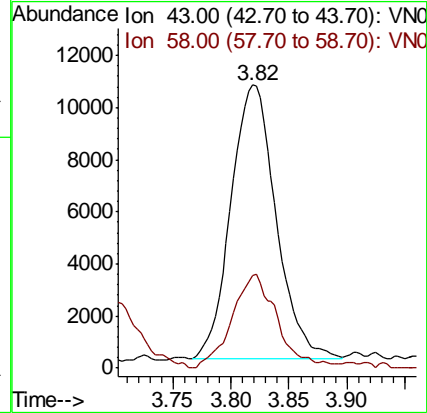
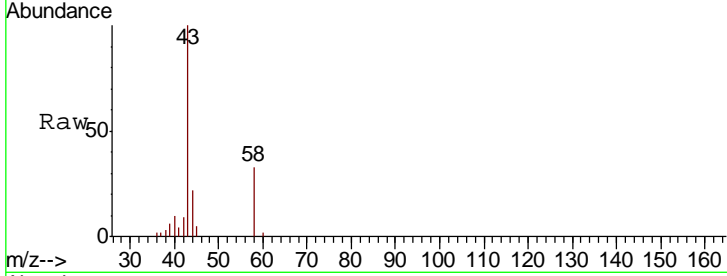




#16
 Acetone
 Concen: 8.765 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

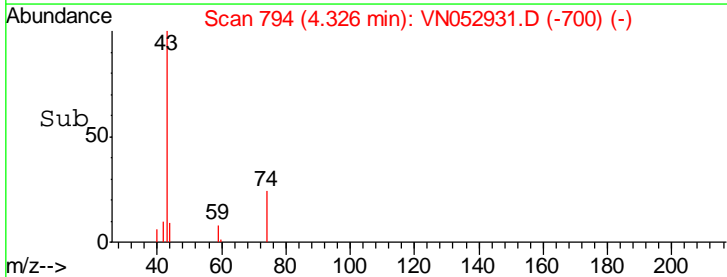
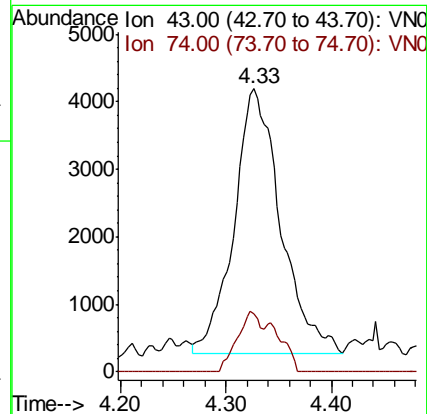
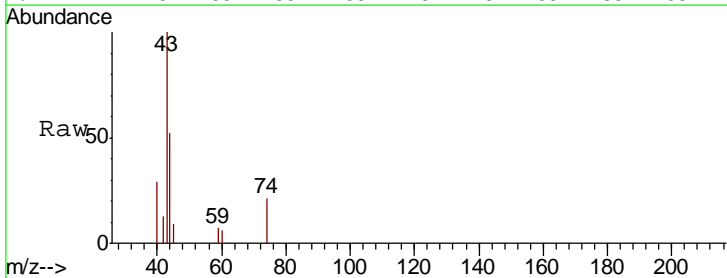
Instrument :
 MSVOA_N
 ClientSampled :
 PB115729ZHE#01

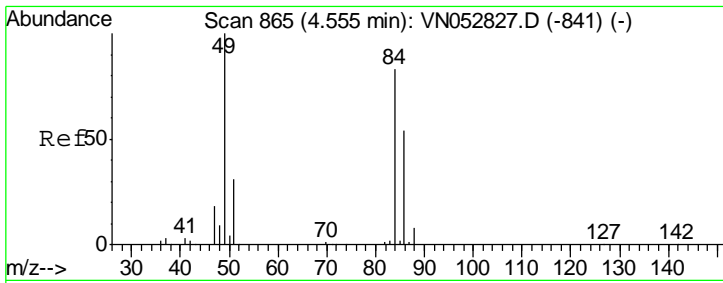
Tgt Ion: 43 Resp: 28579
 Ion Ratio Lower Upper
 43 100
 58 33.8 25.4 38.0



#18
 Methyl Acetate
 Concen: 1.011 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion: 43 Resp: 12094
 Ion Ratio Lower Upper
 43 100
 74 11.8 19.2 28.8#

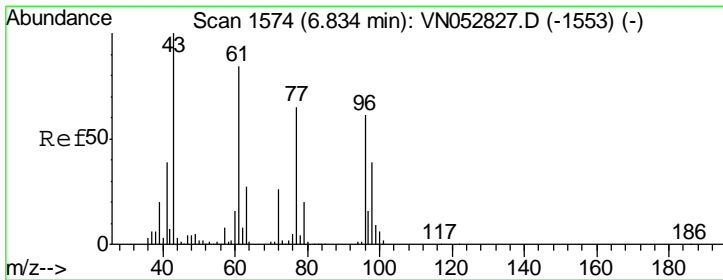
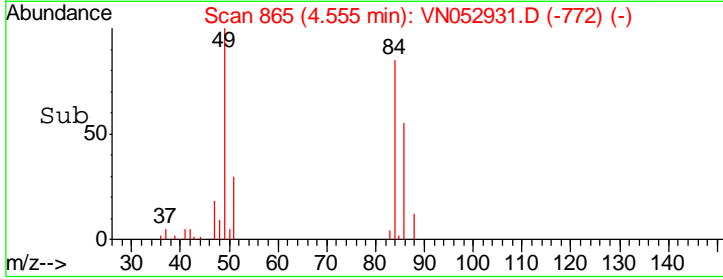
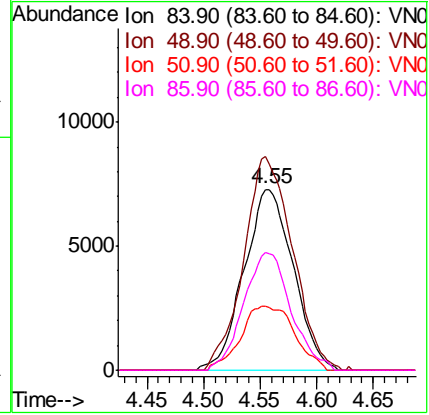
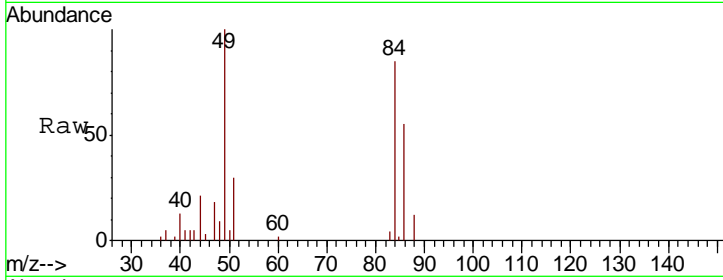




#20
 Methylene Chloride
 Concen: 1.504 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

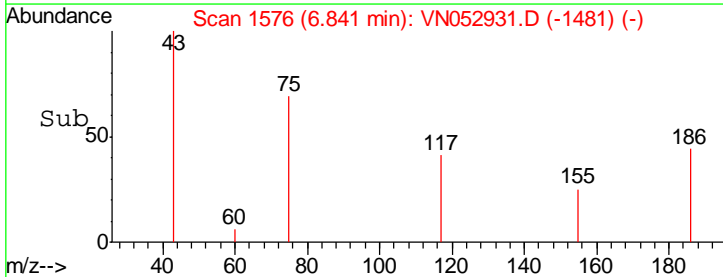
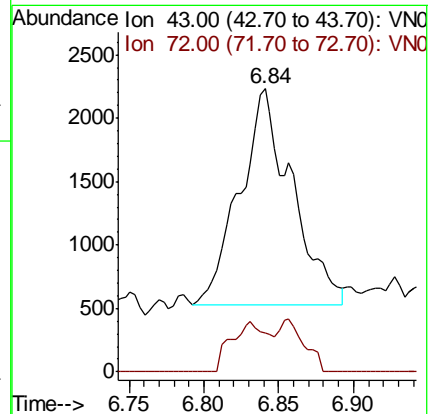
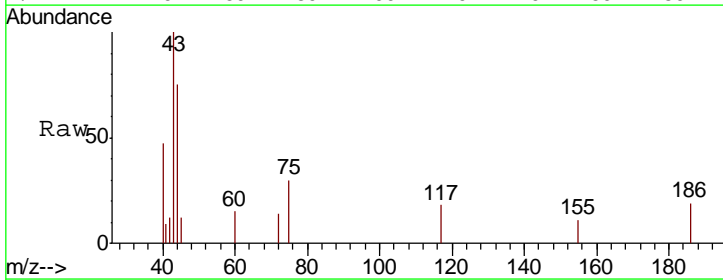
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

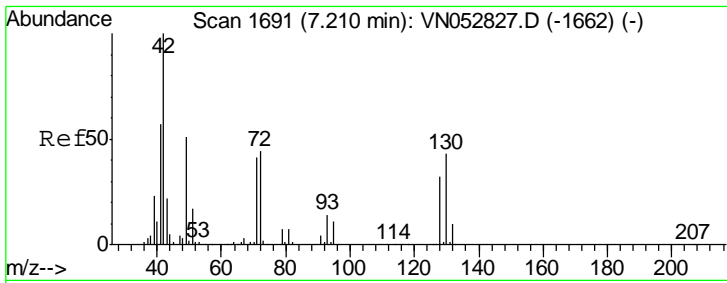
Tgt Ion	Resp	Lower	Upper
84	22069		
84	100		
49	118.1	96.8	145.2
51	35.6	29.9	44.9
86	65.0	51.8	77.6



#25
 2-Butanone
 Concen: 0.821 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
43	4156		
43	100		
72	18.0	21.0	31.6#

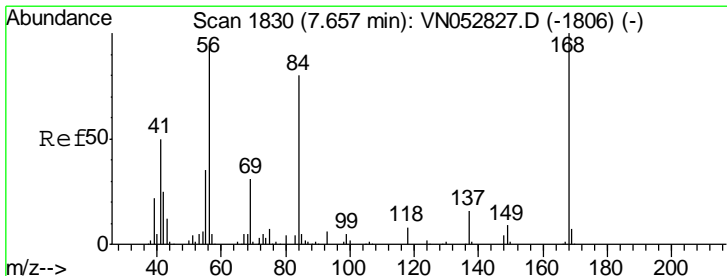
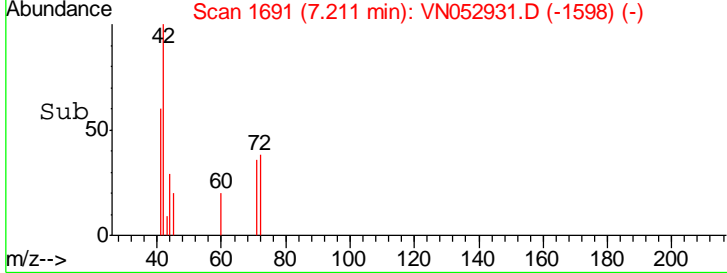
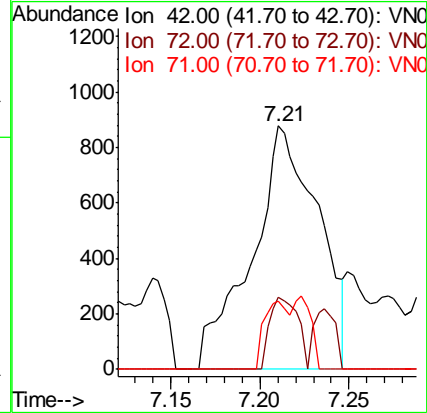
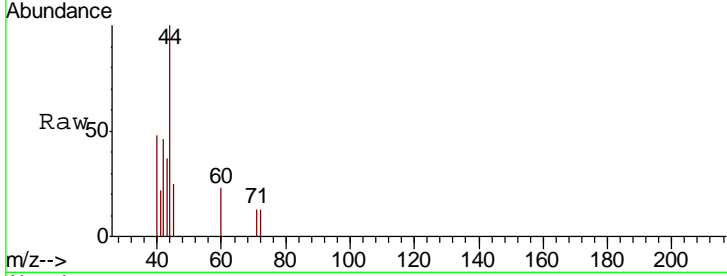




#29
 Tetrahydrofuran
 Concen: 0.662 ug/l
 RT: 7.21 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

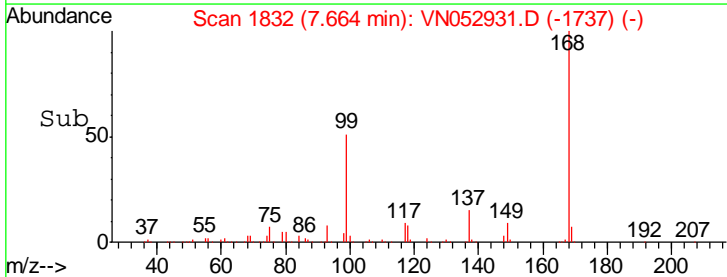
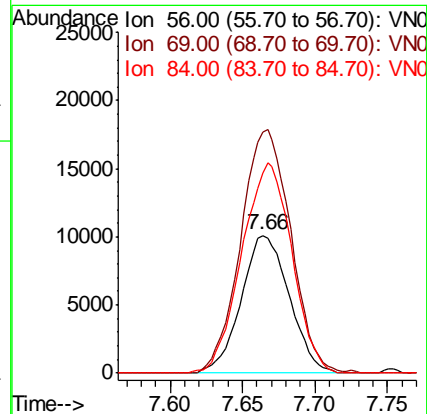
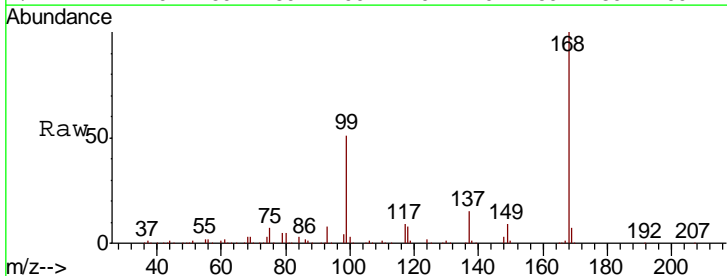
Instrument :
 MSVOA_N
 ClientSampled :
 PB115729ZHE#01

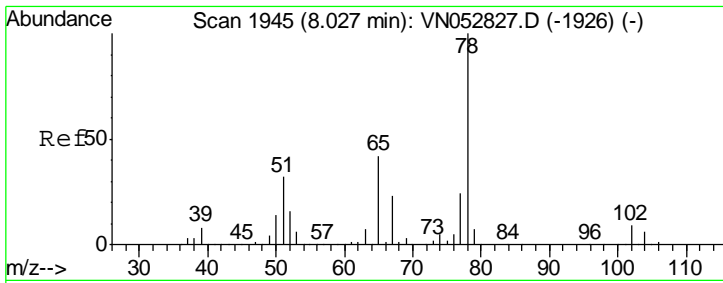
Tgt Ion	Resp	Lower	Upper
42	100		
72	12.5	34.7	52.1#
71	10.7	32.3	48.5#



#31
 Cyclohexane
 Concen: 0.370 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. 0.01 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
56	100		
69	174.8	26.6	39.8#
84	145.3	68.4	102.6#

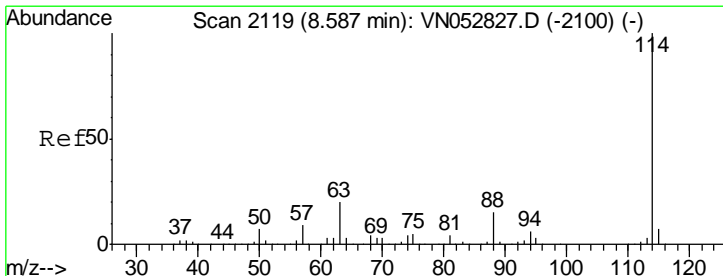
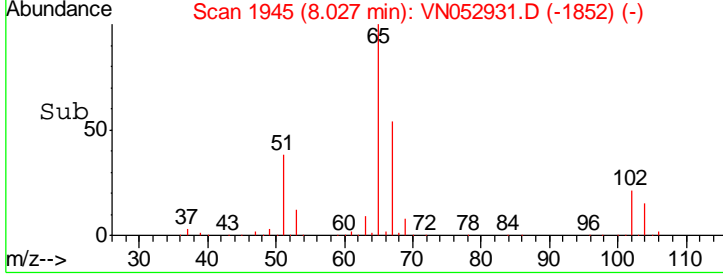
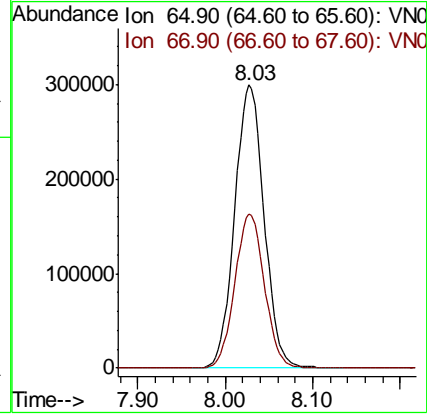
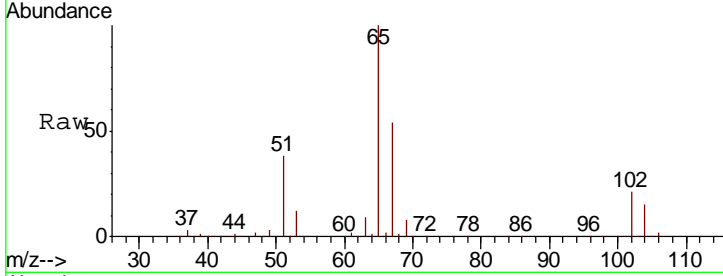




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

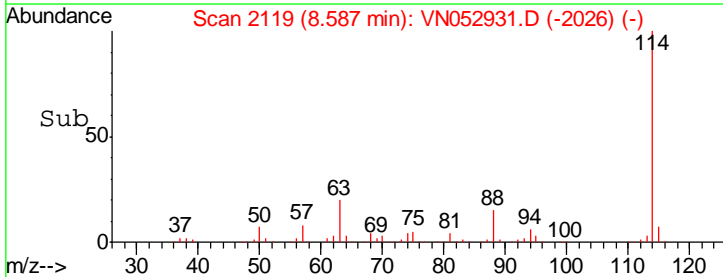
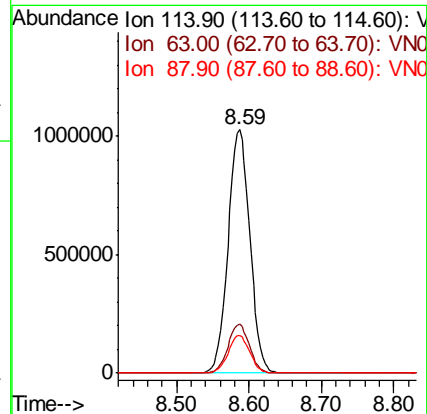
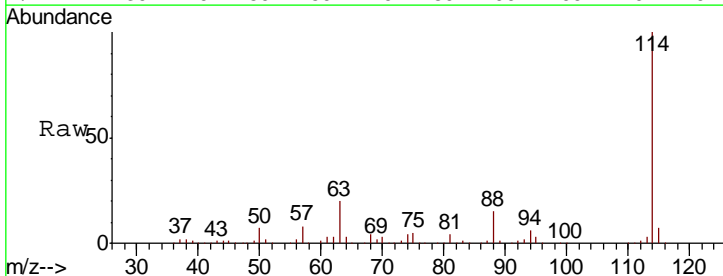
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

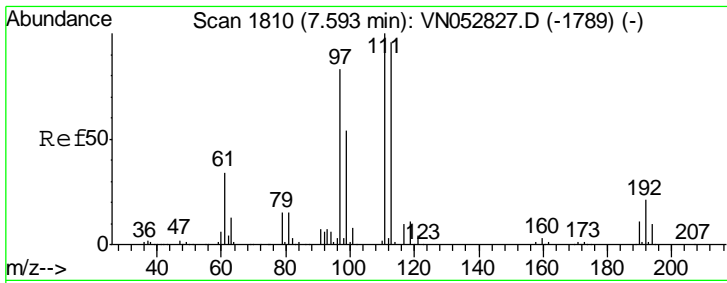
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	15.4	0.0	31.0

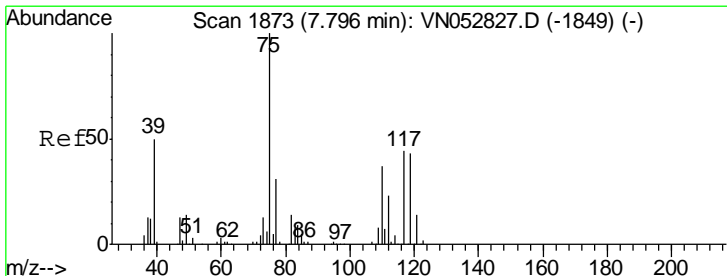
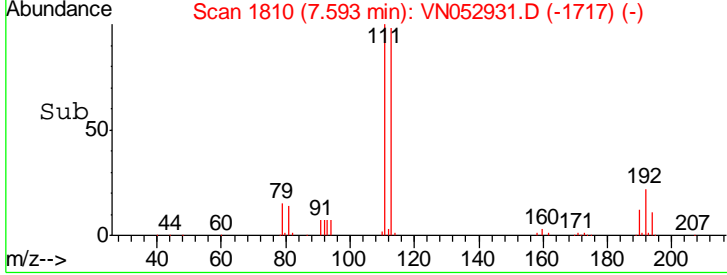
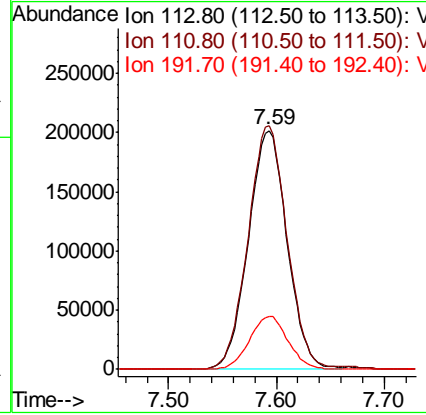
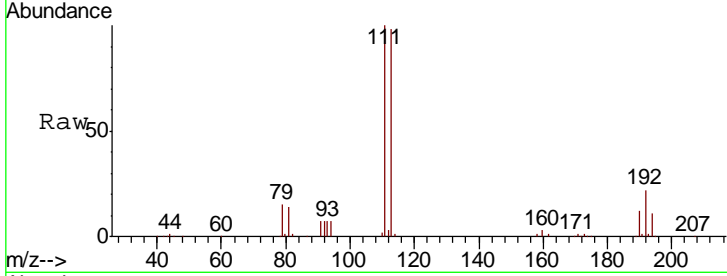




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

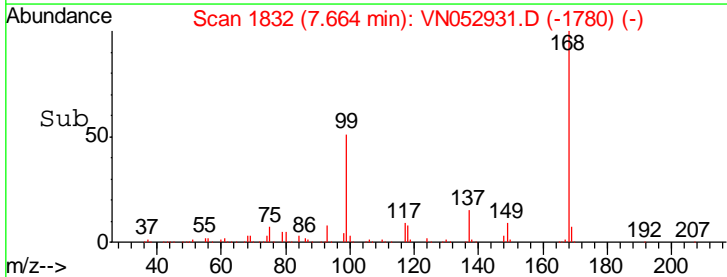
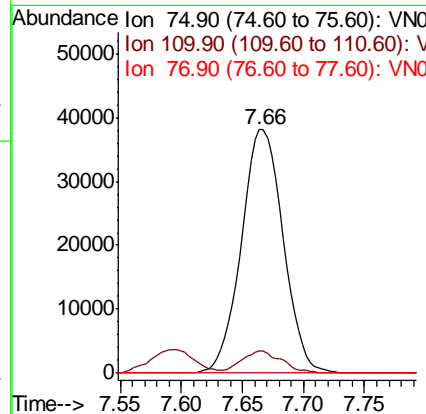
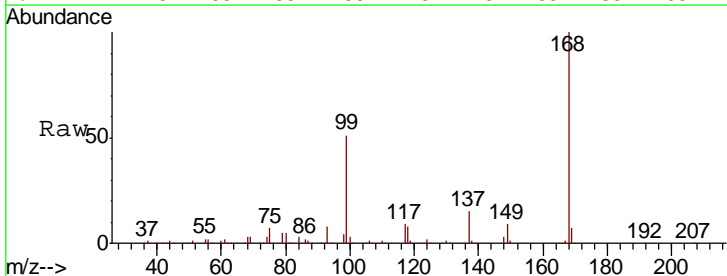
Instrument : MSVOA_N
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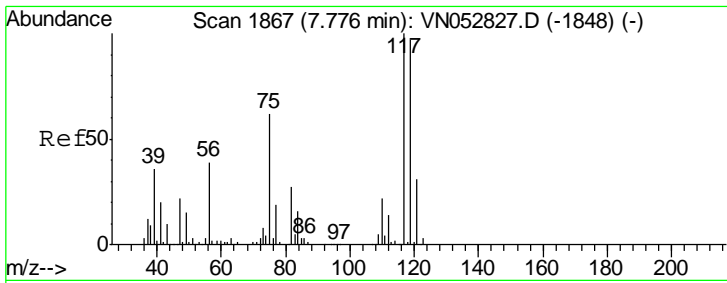
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.7	83.0	124.4
192	22.1	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#

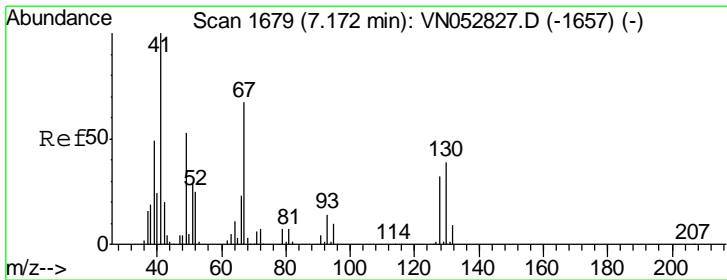
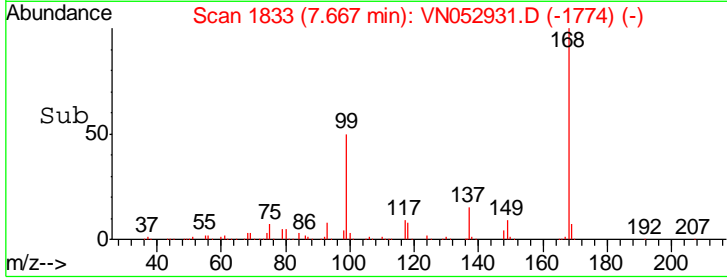
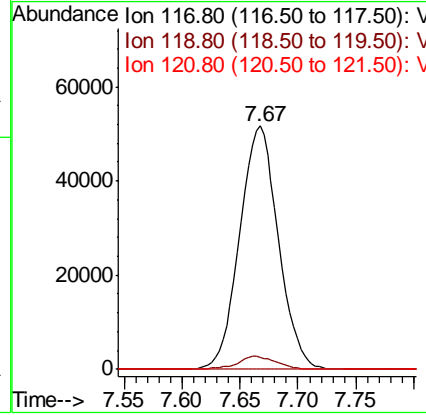
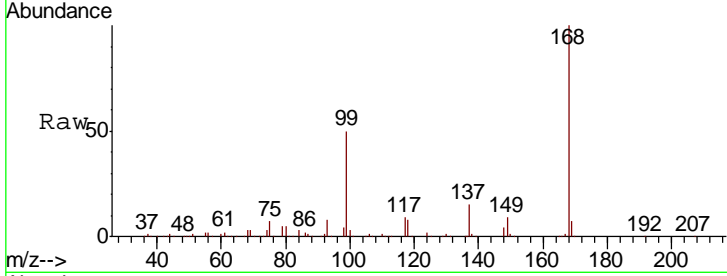




#38
 Carbon Tetrachloride
 Concen: 6.620 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

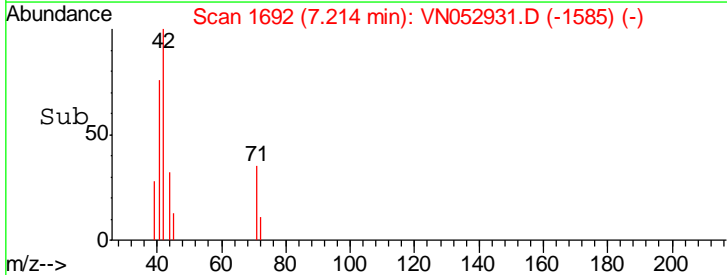
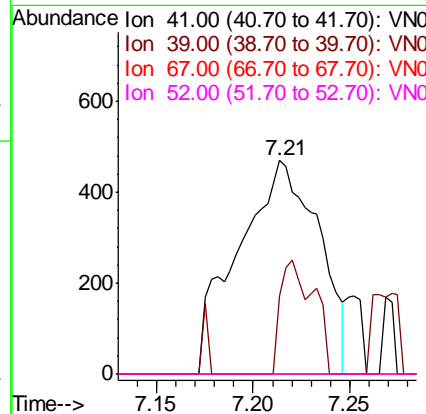
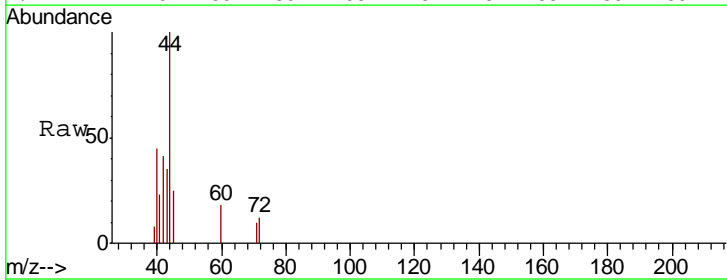
Instrument : MSVOA_N
 ClientSampleID : PB115729ZHE#01

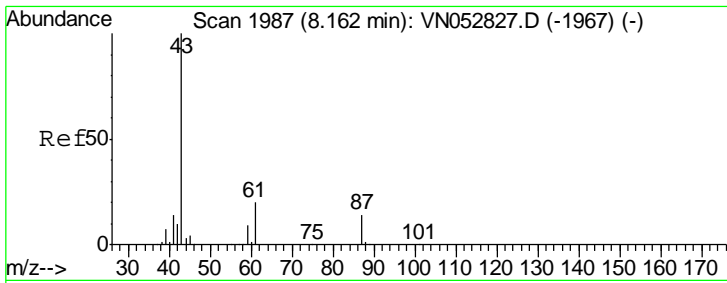
Tgt Ion	Resp	Lower	Upper
117	119729		
117	100		
119	5.0	77.1	115.7#
121	0.0	24.9	37.3#



#41
 Methacrylonitrile
 Concen: 0.208 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.04 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
41	1360		
41	100		
39	21.9	48.0	72.0#
67	0.0	70.3	105.5#
52	0.0	26.9	40.3#



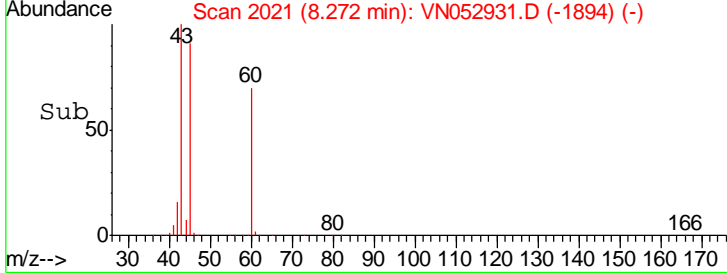
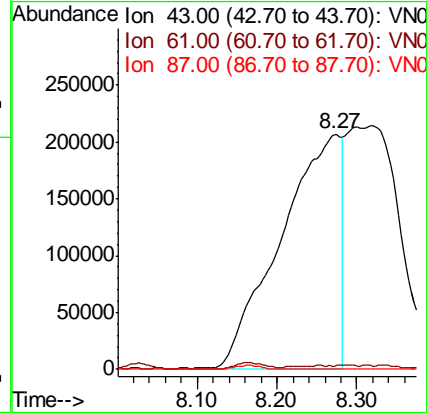
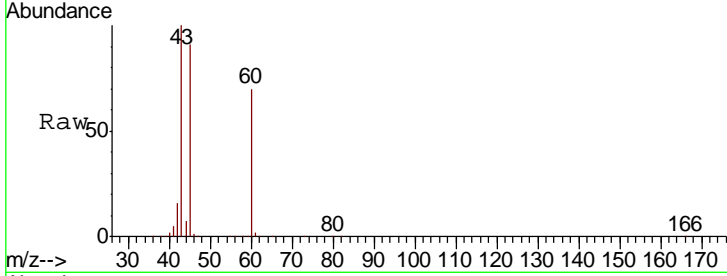


#43

Isopropyl Acetate
 Concen: 44.444 ug/l
 RT: 8.27 min Scan# 2021
 Delta R.T. 0.11 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 PB115729ZHE#01

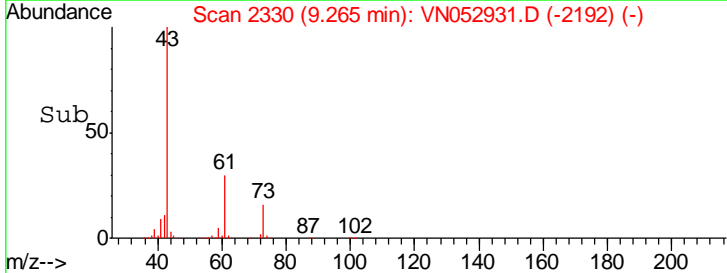
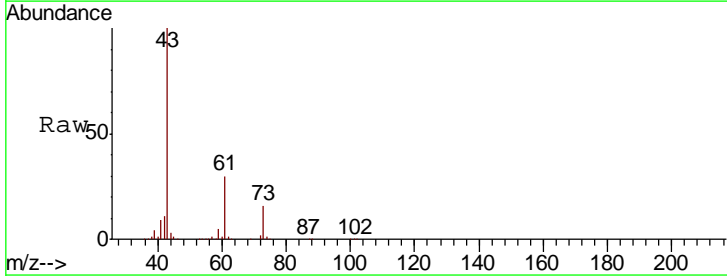
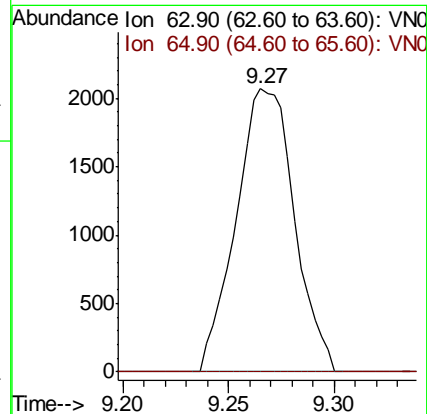
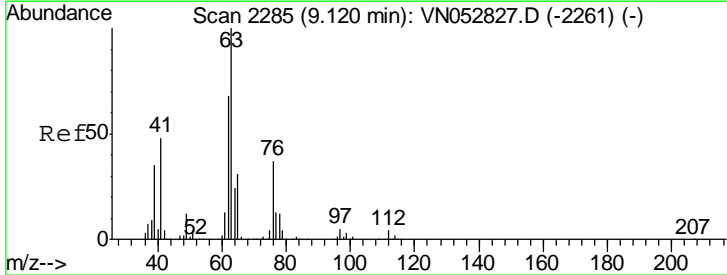
Tgt Ion	Resp	Lower	Upper
43	107541		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#

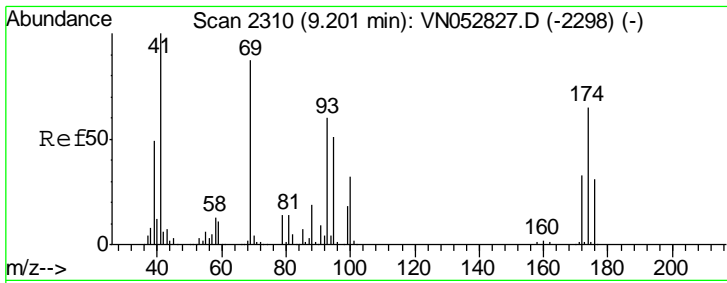


#45

1,2-Dichloropropane
 Concen: 0.257 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
63	3977		
65	0.0	24.6	37.0#

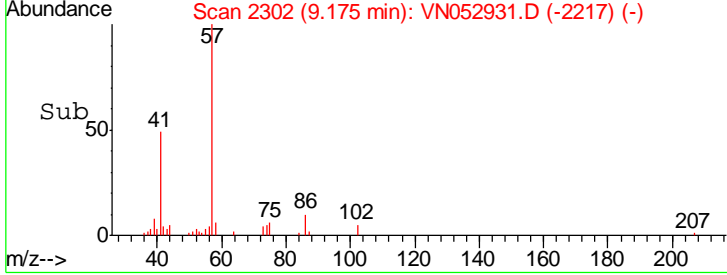
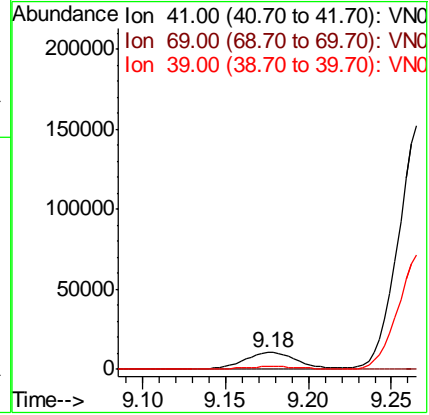
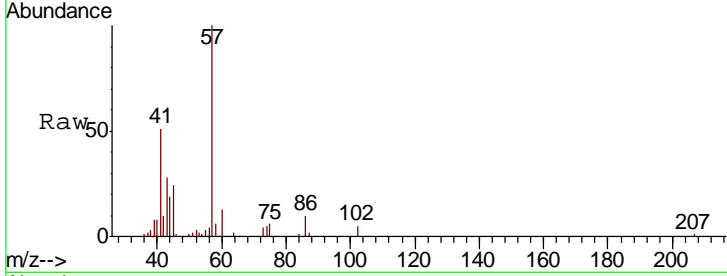




#48
 Methyl methacrylate
 Concen: 2.058 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.03 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

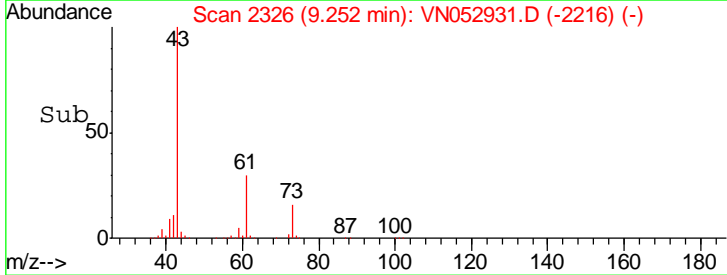
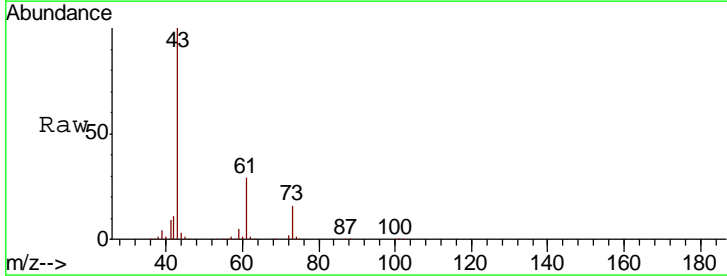
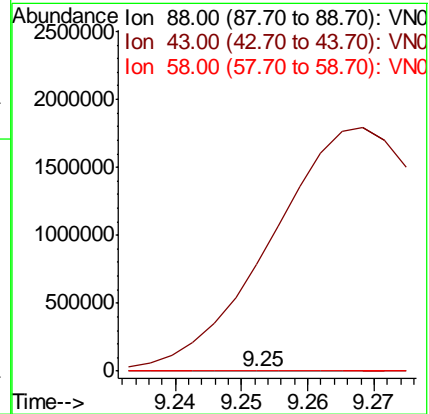
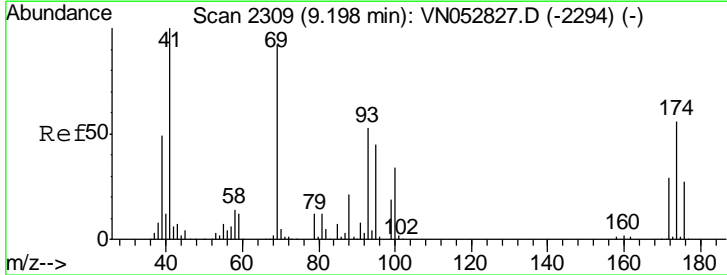
Instrument : MSVOA_N
 ClientSampleId : PB115729ZHE#01

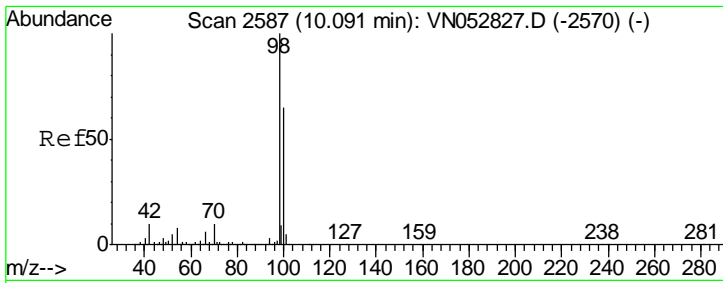
Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	72.2	108.2#
39	20.6	41.9	62.9#



#49
 1,4-Dioxane
 Concen: 2.441 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.05 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
88	100		
43	1119370.7	26.6	40.0#
58	4580.6	58.4	87.6#



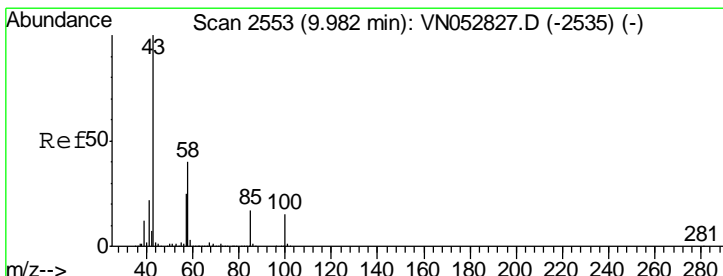
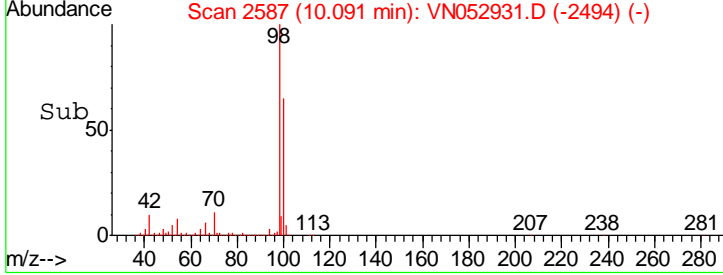
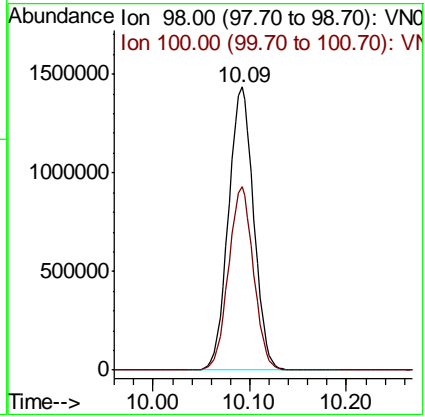
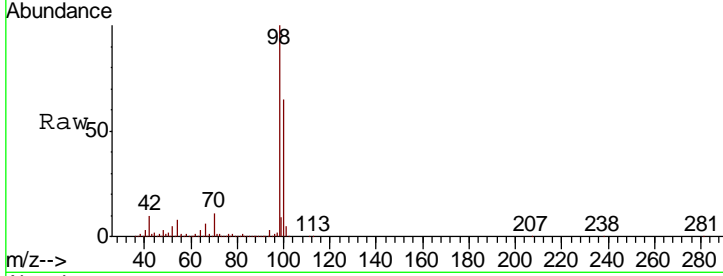


#50
 Toluene-d8
 Concen: 2.441 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

Tgt Ion: 98 Resp: 2594889

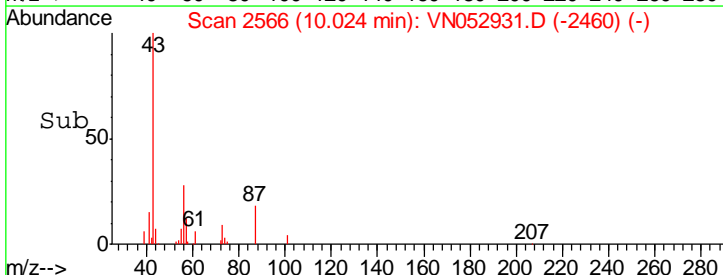
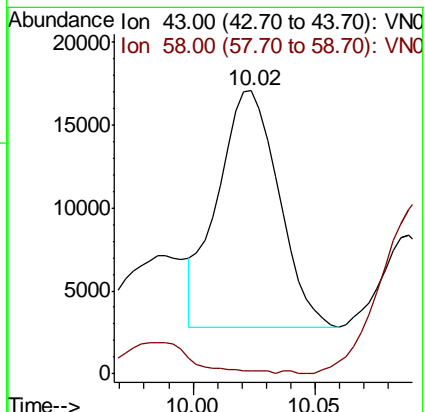
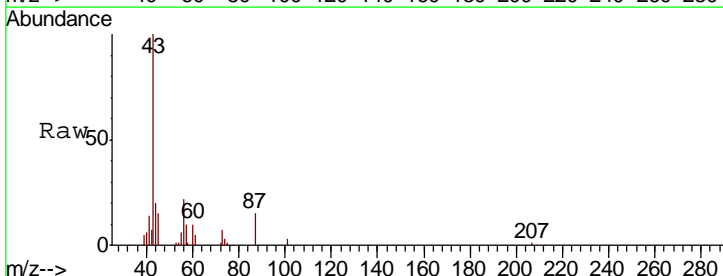
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

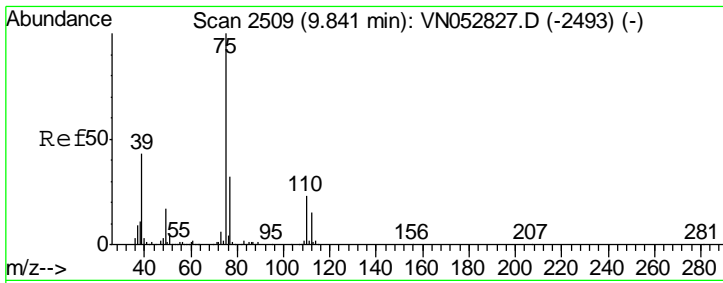


#51
 4-Methyl-2-Pentanone
 Concen: 2.230 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion: 43 Resp: 24747

Ion	Ratio	Lower	Upper
43	100		
58	0.0	32.2	48.4#

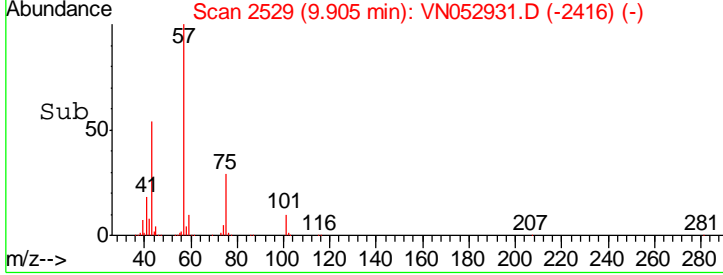
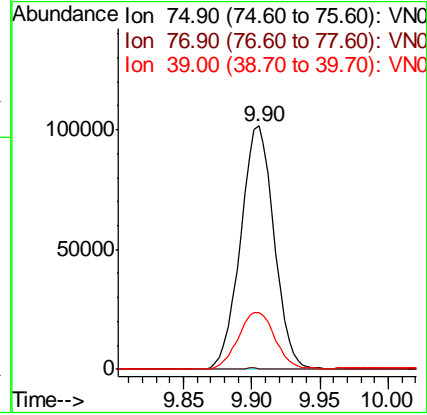
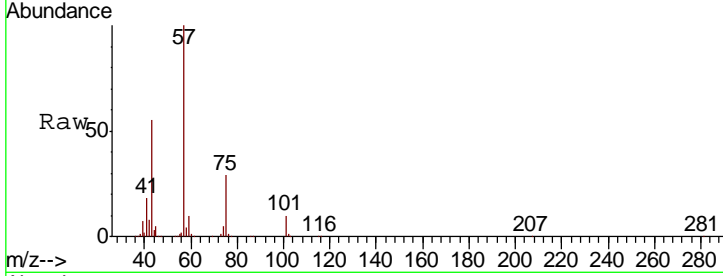




#54
 cis-1,3-Dichloropropene
 Concen: 7.782 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

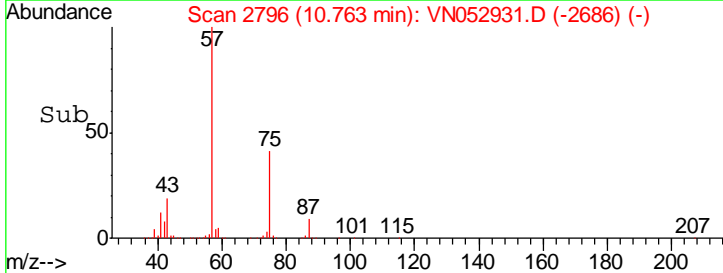
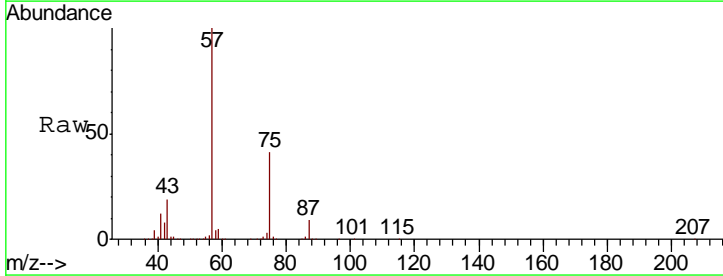
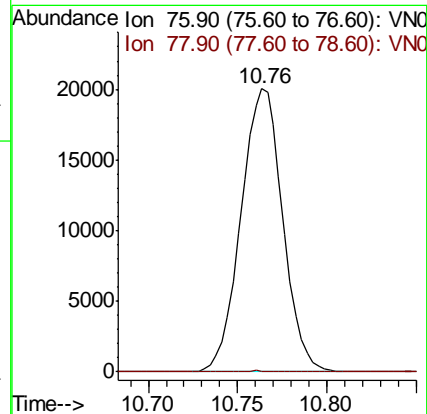
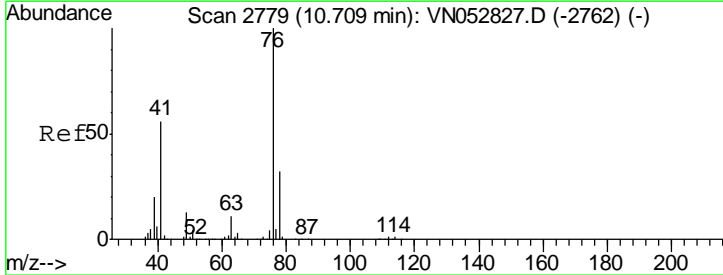
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

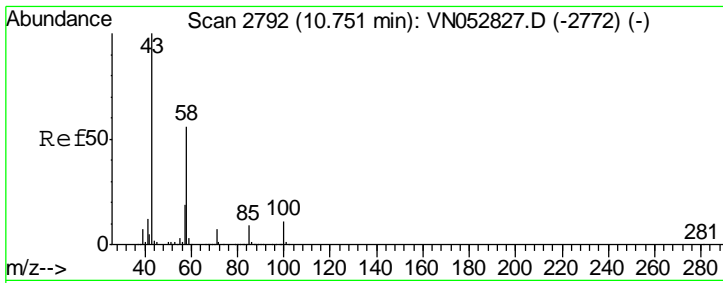
Tgt Ion	Resp	Lower	Upper
75	173348		
77	0.4	25.8	38.8#
39	23.3	34.8	52.2#



#57
 1,3-Dichloropropane
 Concen: 1.497 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
76	32730		
78	0.1	25.8	38.8#

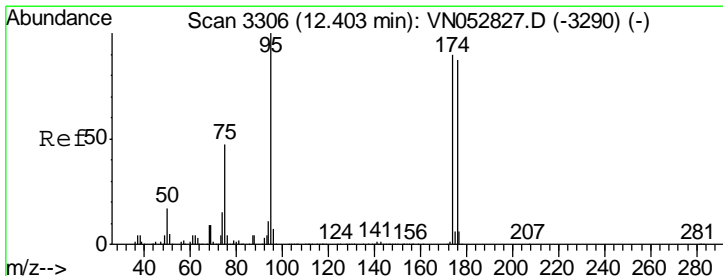
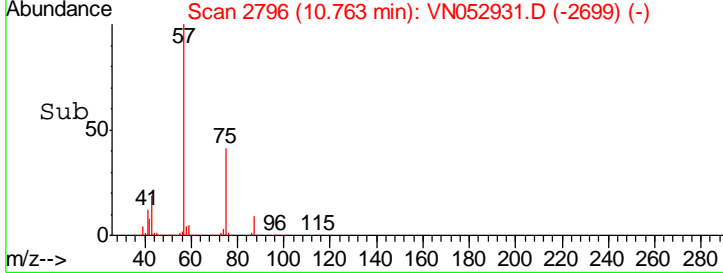
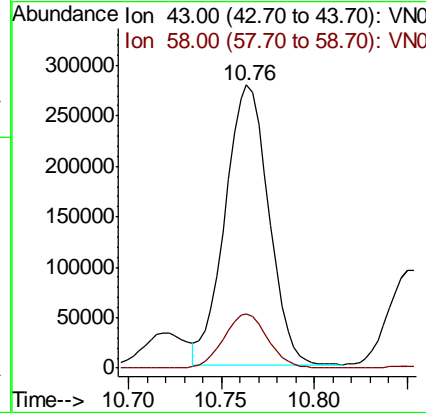
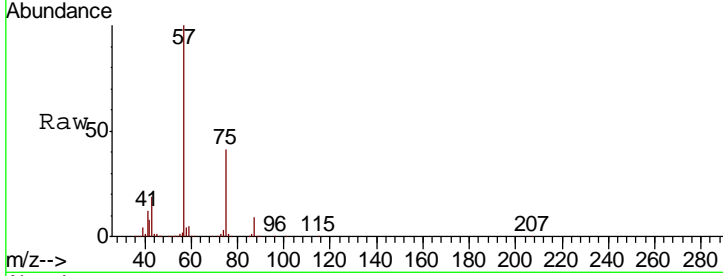




#59
 2-Hexanone
 Concen: 59.855 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

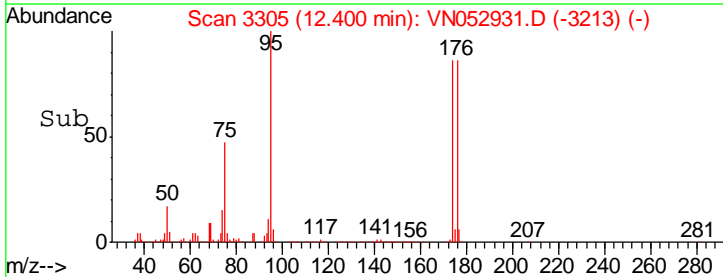
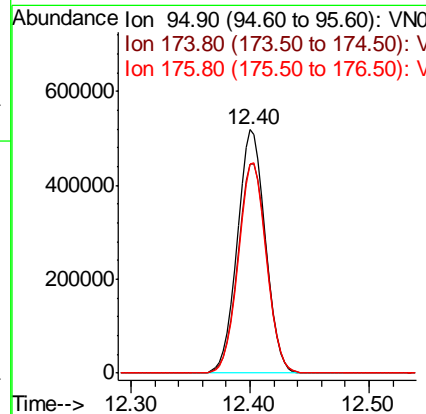
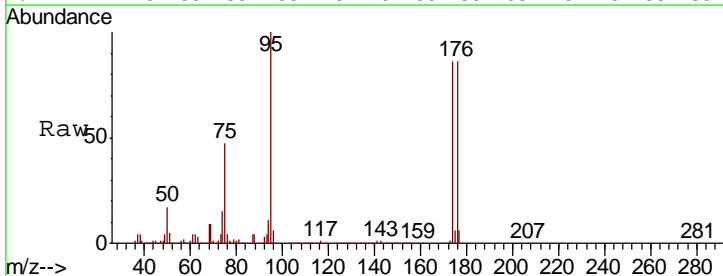
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

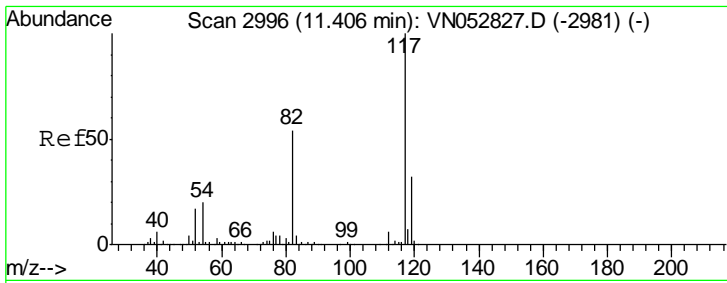
Tgt Ion	Resp	Lower	Upper
43	100		
58	19.6	28.1	84.3#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.3	0.0	178.8
176	86.2	0.0	173.8



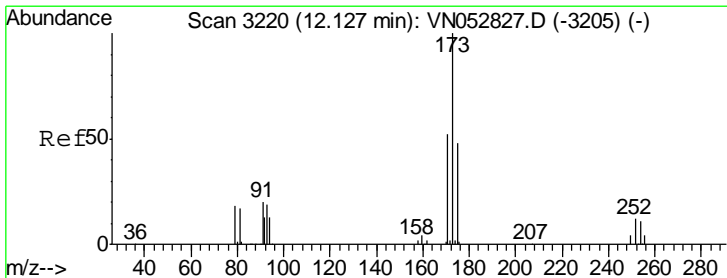
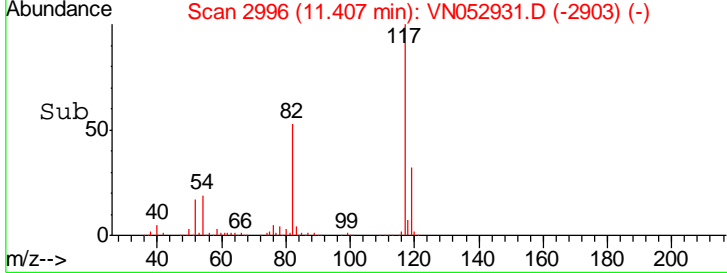
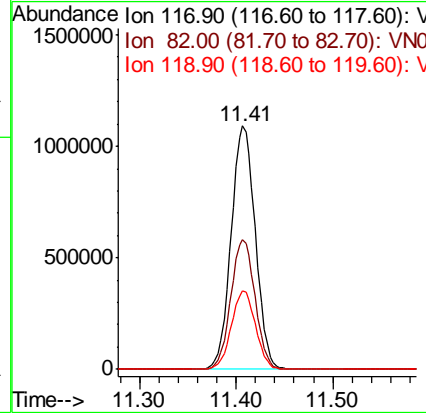
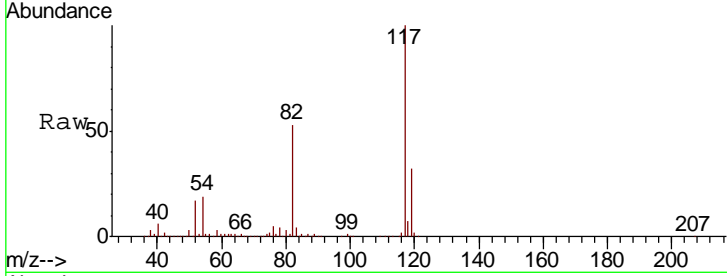


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

Tgt Ion:117 Resp: 1889729

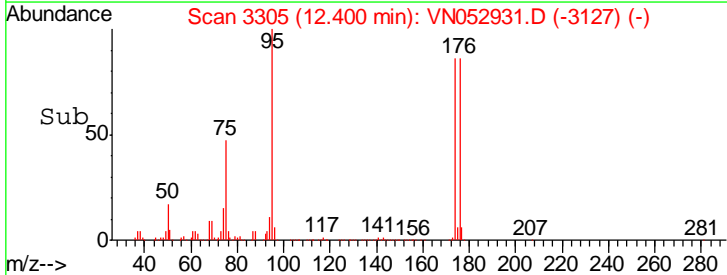
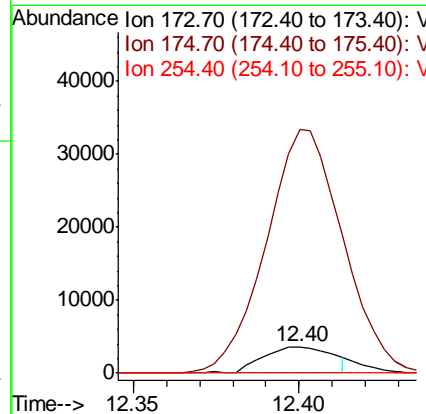
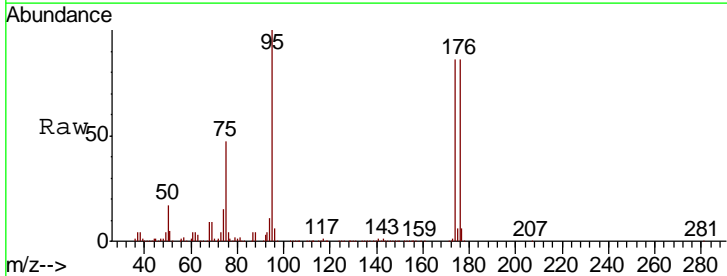
Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.1	25.5	38.3

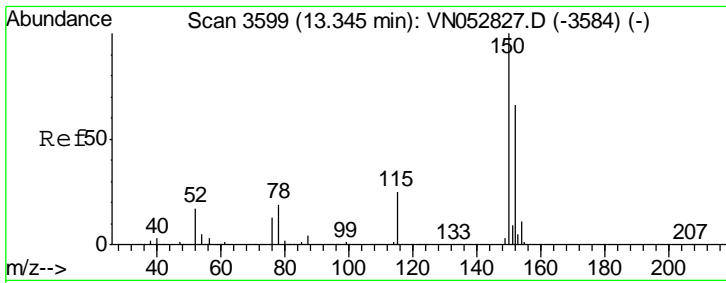


#71
 Bromoform
 Concen: 0.561 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion:173 Resp: 5200

Ion	Ratio	Lower	Upper
173	100		
175	909.2	24.3	72.9#
254	0.0	0.1	0.1#

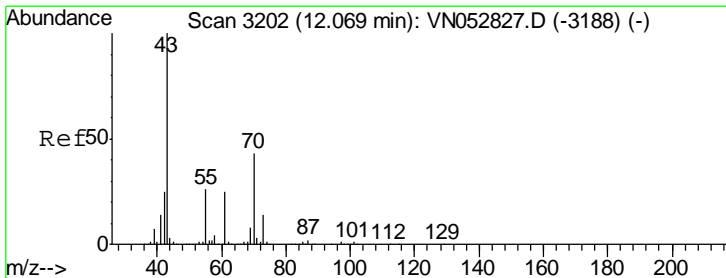
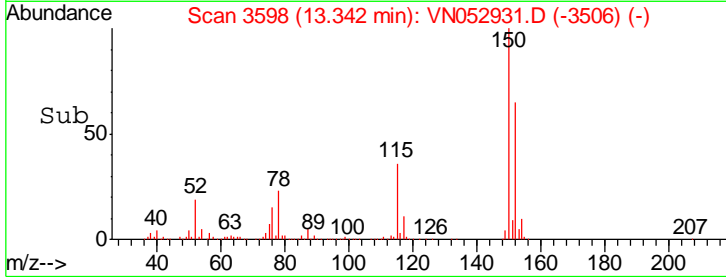
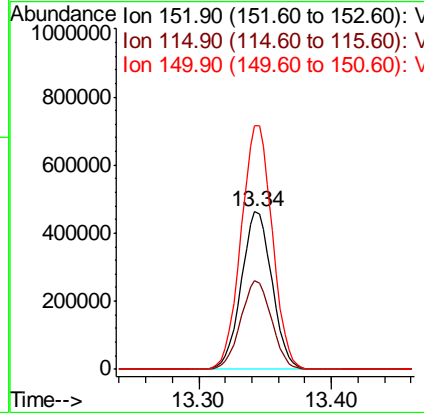
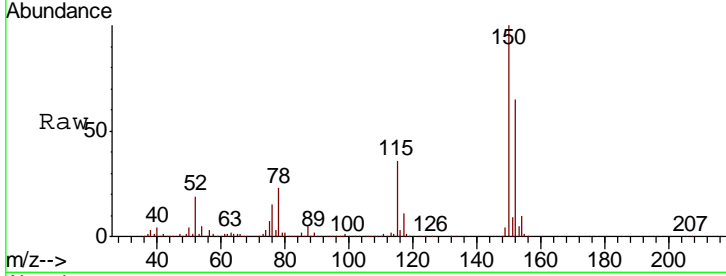




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

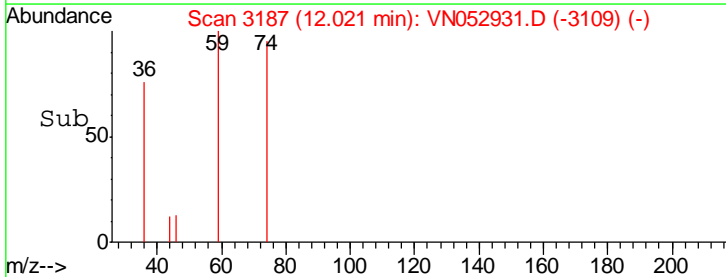
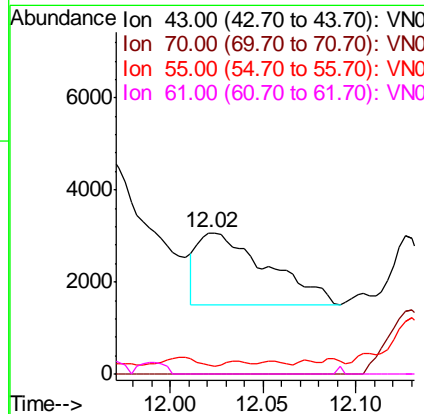
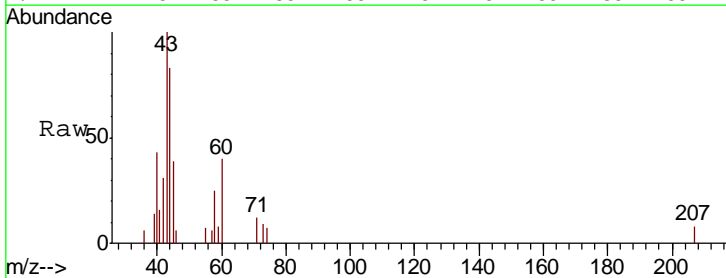
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#01

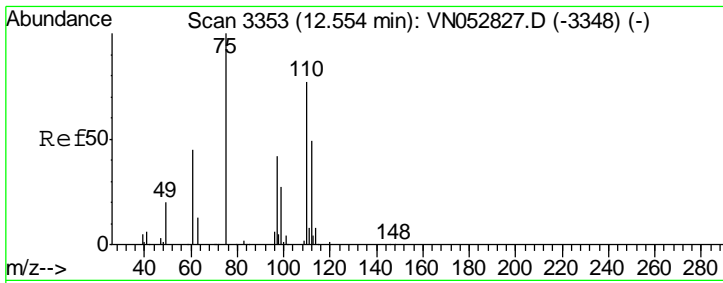
Tgt Ion	Resp	Lower	Upper
152	100		
115	56.7	28.3	85.0
150	157.5	0.0	347.8



#74
 N-nyl acetate
 Concen: 0.271 ug/l
 RT: 12.02 min Scan# 3187
 Delta R.T. -0.05 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion	Resp	Lower	Upper
43	100		
70	0.0	34.2	51.4#
55	5.0	20.3	30.5#
61	0.0	20.0	30.0#

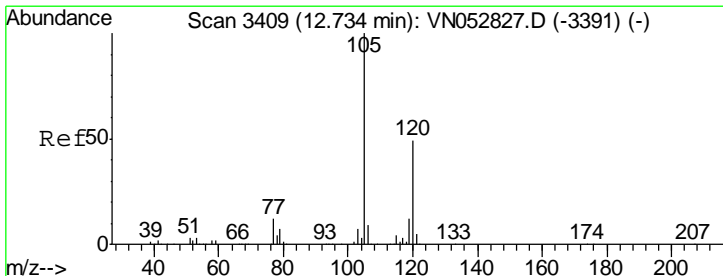
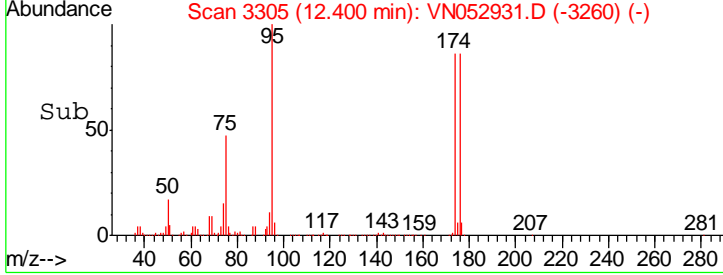
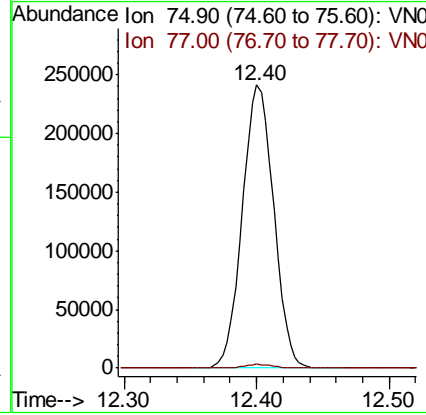
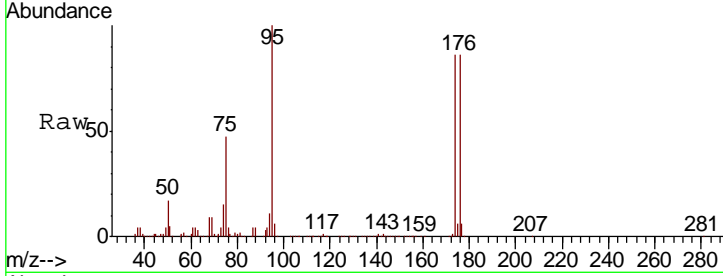




#76
 1,2,3-Trichloropropane
 Concen: 36.191 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

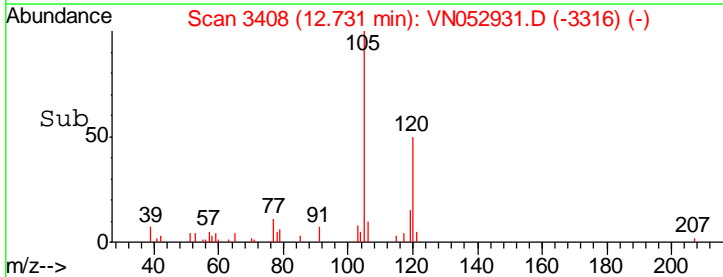
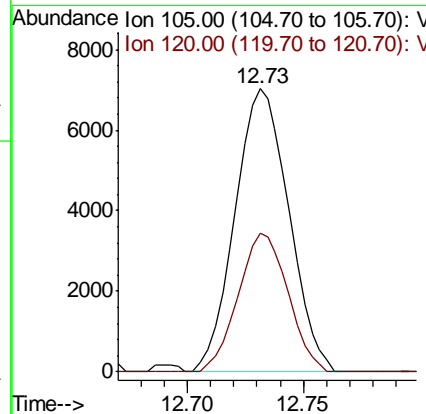
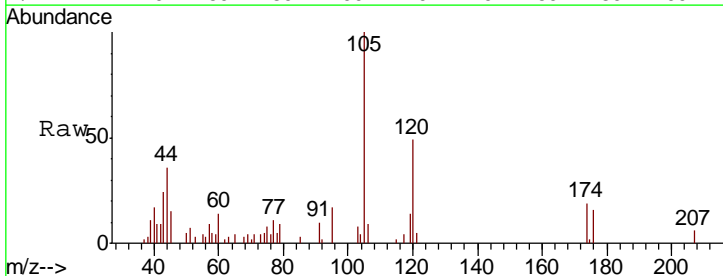
Instrument : MSVOA_N
 ClientSampled : PB115729ZHE#01

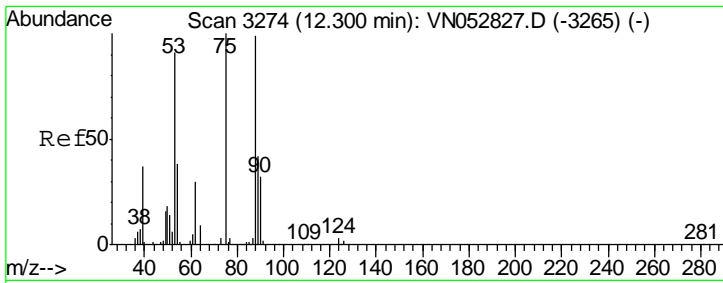
Tgt Ion: 75 Resp: 396318
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.253 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Tgt Ion: 105 Resp: 11308
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.262 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052931.D
 Acq: 17 Dec 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#01

Tot Ion	Ion	Resp	Lower	Upper
396318	75	100		
	53	0.0	74.7	112.1#
	89	0.0	36.1	54.1#

