

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055867.D
 Acq On : 29 May 2019 10:48
 Operator : JC/SP
 Sample : VN0529MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0529MBL01

Quant Time: May 30 06:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	364622	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515611	50.00	µg/l	0.00
63) Chlorobenzene-d5	11.41	117	469313	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155811	50.00	µg/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175320	46.56	µg/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	7.59	113	154574	47.42	µg/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	10.09	98	618450	49.46	µg/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	195752	45.65	µg/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

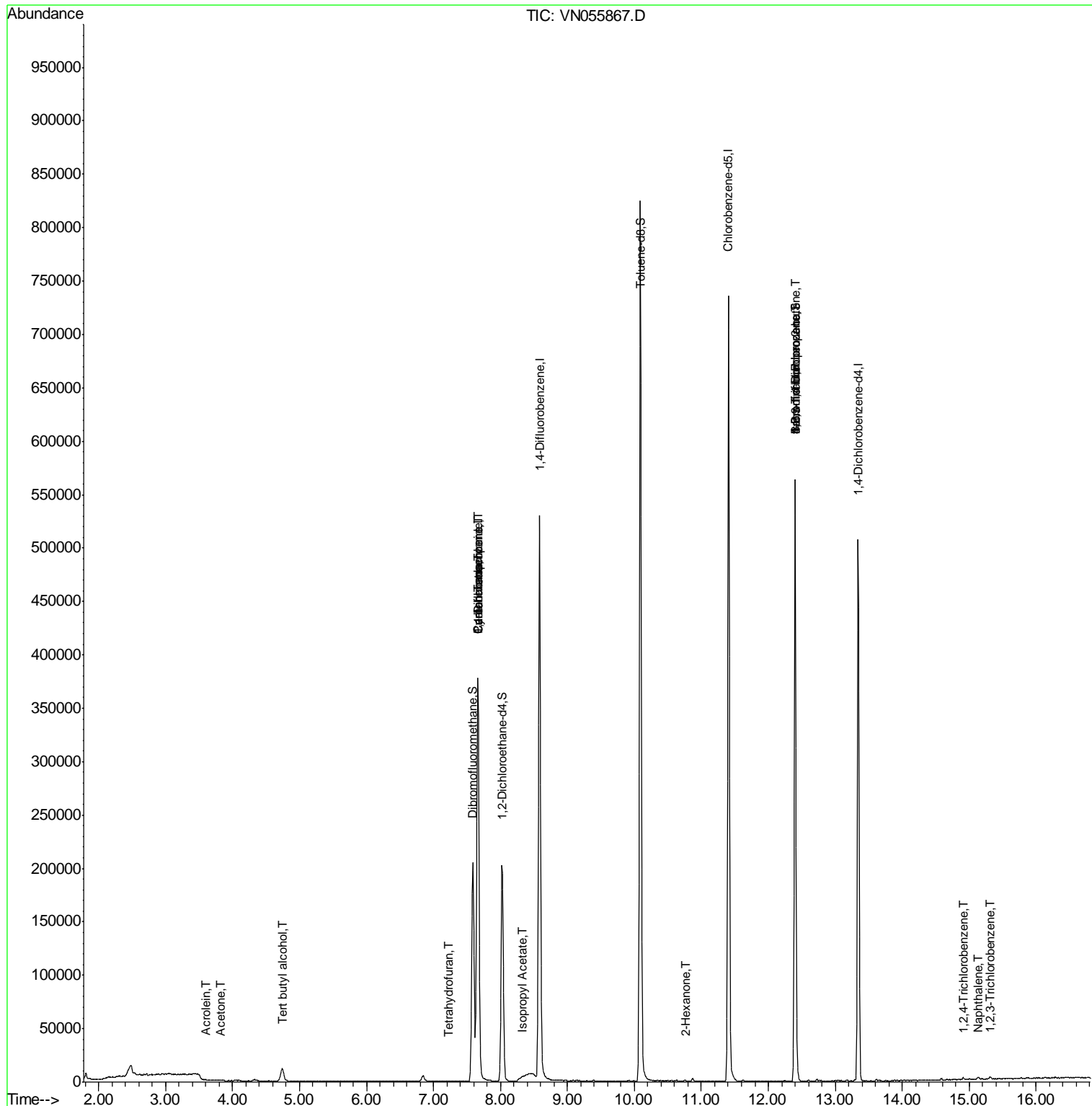
						Qvalue
11) Tert butyl alcohol	4.74	59	11105	15.435	µg/l #	74
13) Acrolein	3.61	56	209	0.406	µg/l	90
16) Acetone	3.82	43	1023	0.618	µg/l #	41
18) Methyl Acetate	4.32	43	3045	Below Cal	#	82
29) Tetrahydrofuran	7.23	42	308	0.210	µg/l #	32
31) Cyclohexane	7.66	56	5264	0.931	µg/l #	1
36) 1,1-Dichloropropene	7.66	75	21572	4.801	µg/l #	48
38) Carbon Tetrachloride	7.66	117	28832	6.160	µg/l #	14
43) Isopropyl Acetate	8.32	43	5550	0.761	µg/l #	53
59) 2-Hexanone	10.76	43	932	0.305	µg/l #	23
71) Bromoform	12.40	173	1430	0.447	µg/l #	1
73) Isopropylbenzene	12.25	105	450	Below Cal	#	48
74) N-amyl acetate	12.07	43	233	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	89832	32.373	µg/l #	100
79) 2-Chlorotoluene	12.67	91	420	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	550	Below Cal		73
81) trans-1,4-Dichloro-2-buten	12.40	75	89832	77.573	µg/l #	15
83) tert-Butylbenzene	13.00	119	210	Below Cal	#	81
84) 1,2,4-Trimethylbenzene	13.04	105	660	Below Cal		97
85) sec-Butylbenzene	13.17	105	705	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	983	3.938	µg/l	88
94) Hexachlorobutadiene	15.00	225	221	Below Cal	#	19
95) Naphthalene	15.13	128	2339	0.325	µg/l #	78
96) 1,2,3-Trichlorobenzene	15.32	180	1186	0.427	µg/l	76

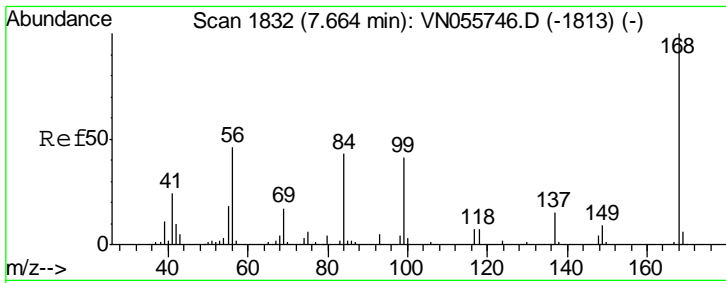
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 Response via : Initial Calibration

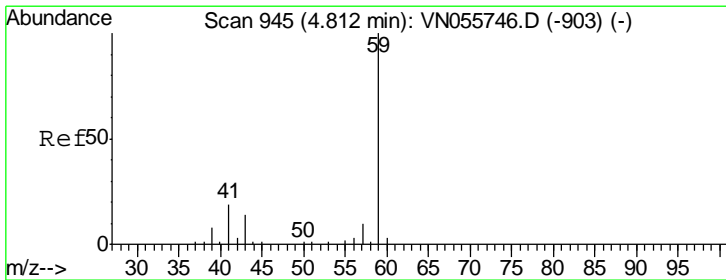
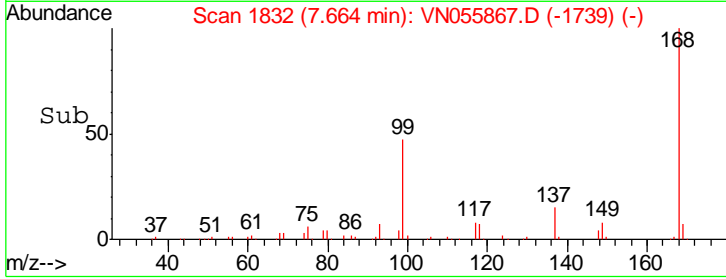
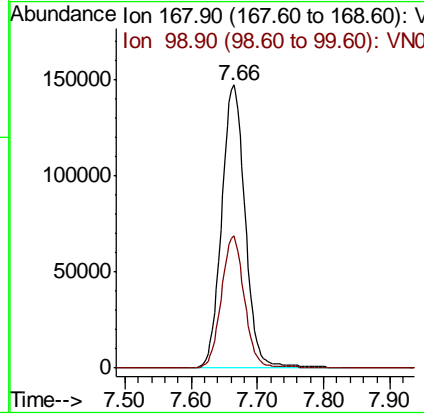
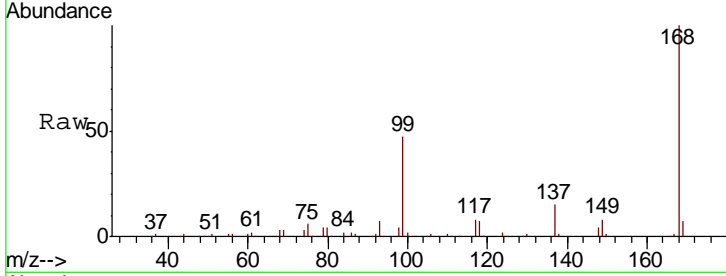




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

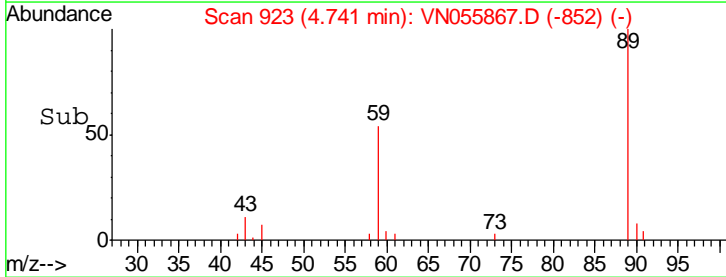
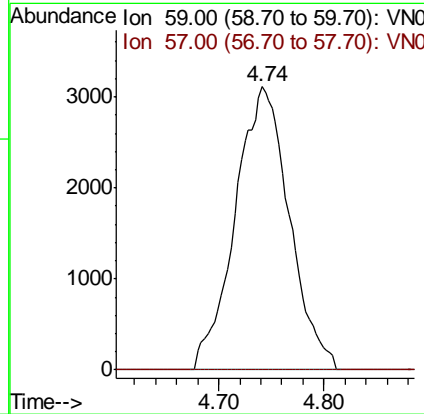
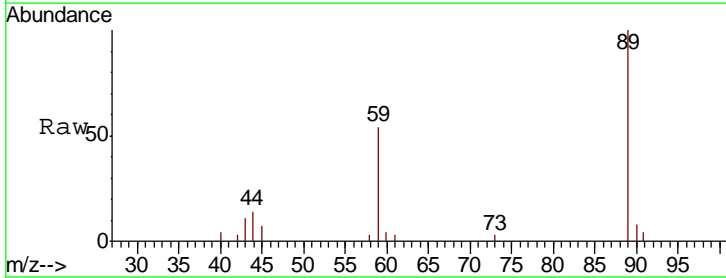
Instrument : MSVOA_N
 ClientSampled : VN0529MBL01

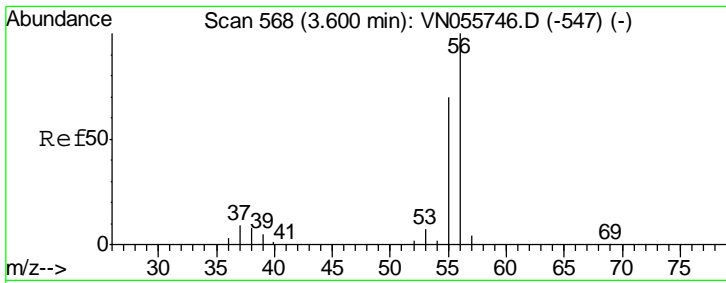
Tgt Ion	Resp	Lower	Upper
168	100		
99	46.6	37.2	55.8



#11
 Tert butyl alcohol
 Concen: 15.435 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	7.8	11.6#

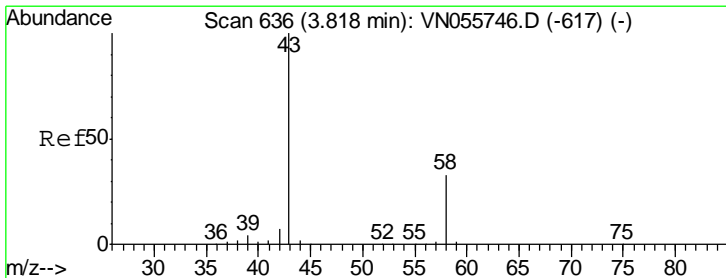
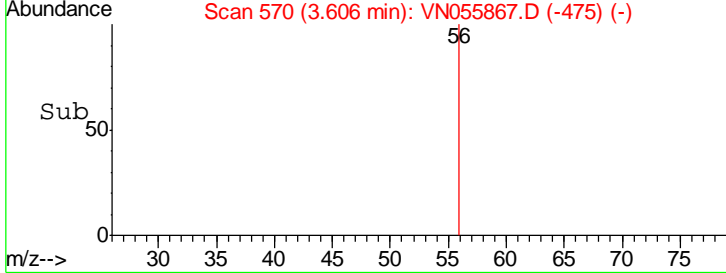
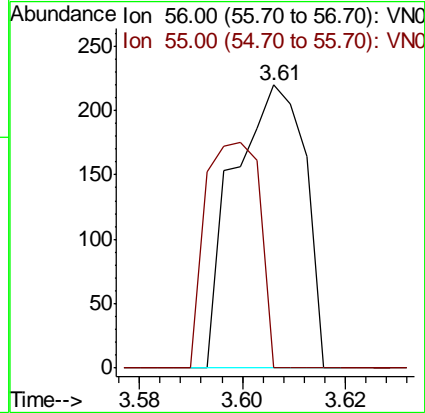
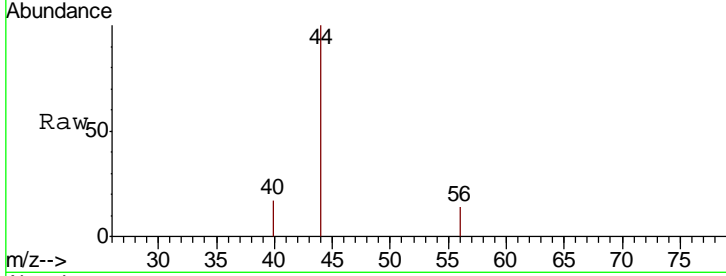




#13
 Acrolein
 Concen: 0.406 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

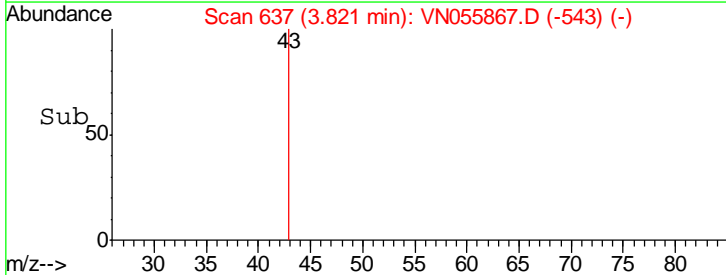
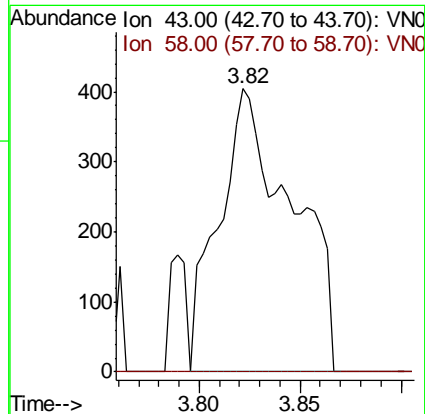
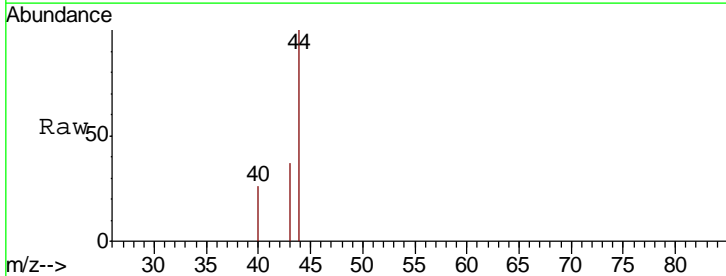
Instrument : MSVOA_N
 ClientSampleId : VN0529MBL01

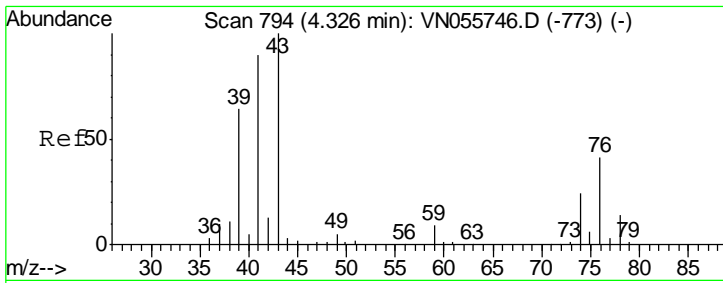
Tgt Ion	Resp	Lower	Upper
56	100		
55	60.8	55.4	83.2



#16
 Acetone
 Concen: 0.618 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
43	100		
58	0.0	26.6	39.8#

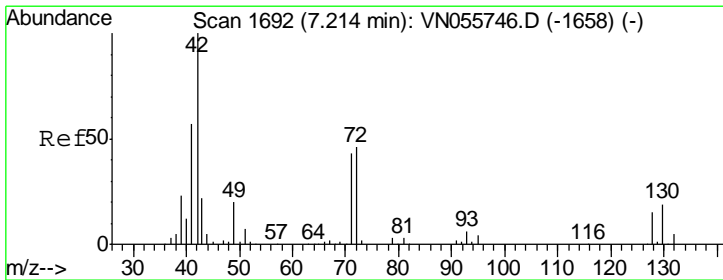
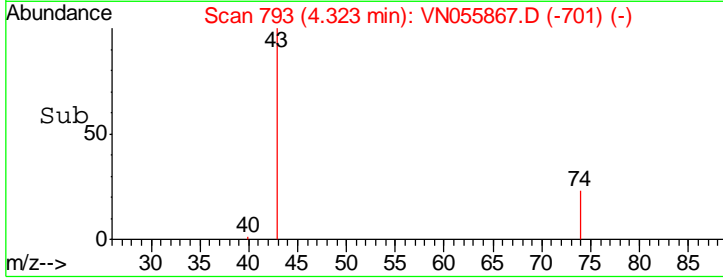
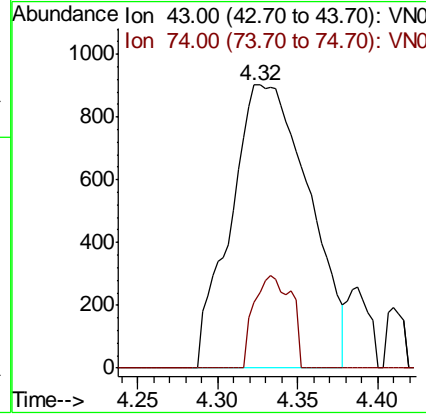
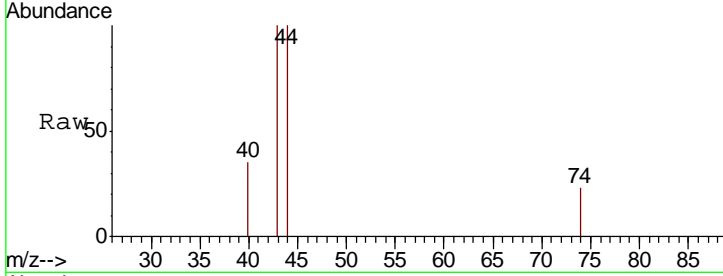




#18
 Methyl Acetate
 Concen: Below Cal
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

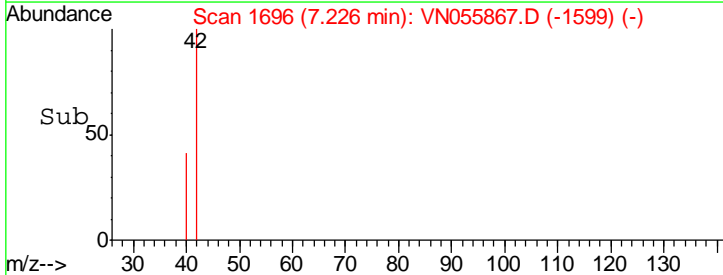
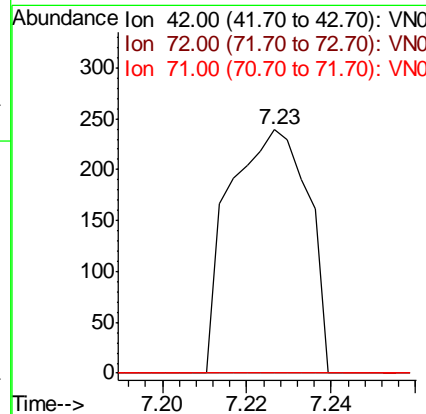
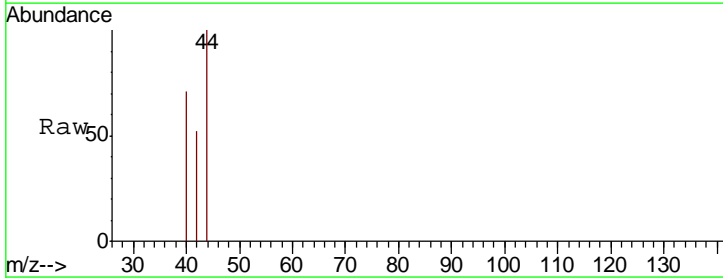
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

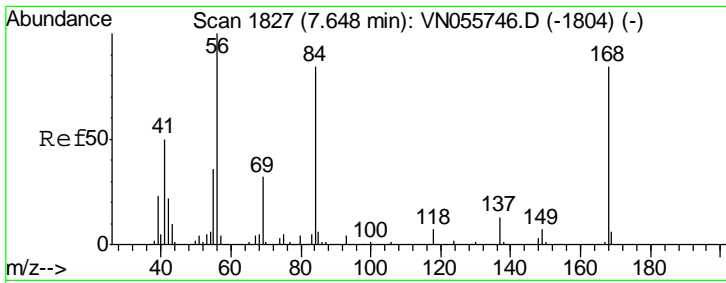
Tgt Ion	Resp	Lower	Upper
43	100		
74	15.2	19.3	28.9#



#29
 Tetrahydrofuran
 Concen: 0.210 ug/l
 RT: 7.23 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.0	51.0#

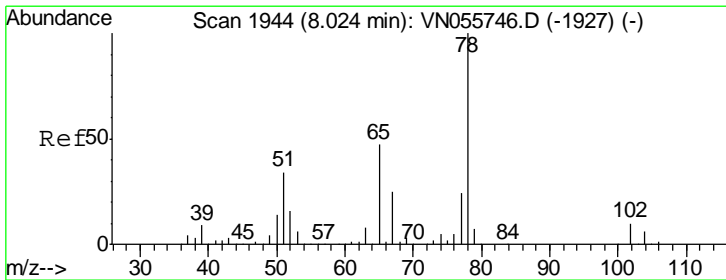
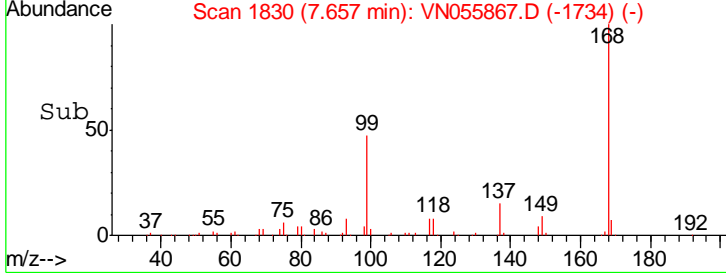
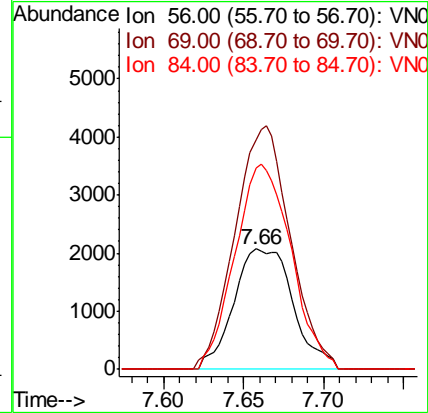
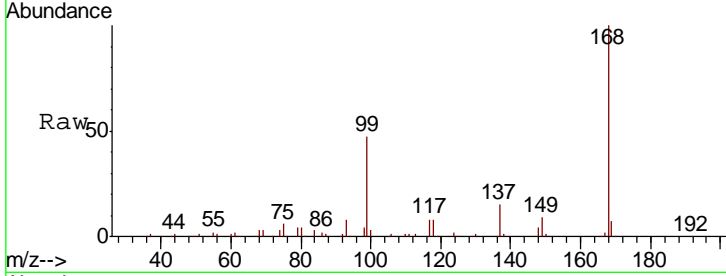




#31
 Cyclohexane
 Concen: 0.931 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

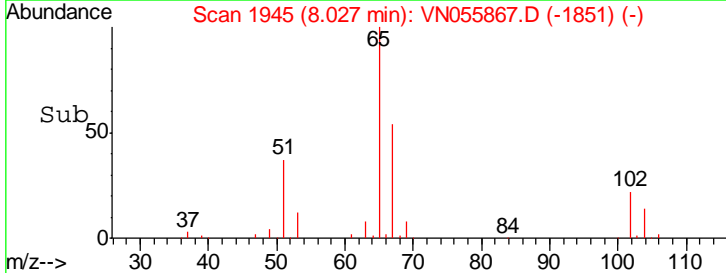
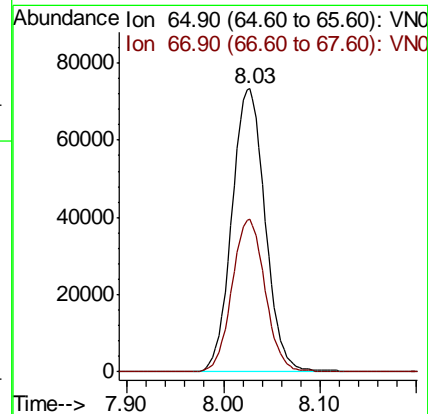
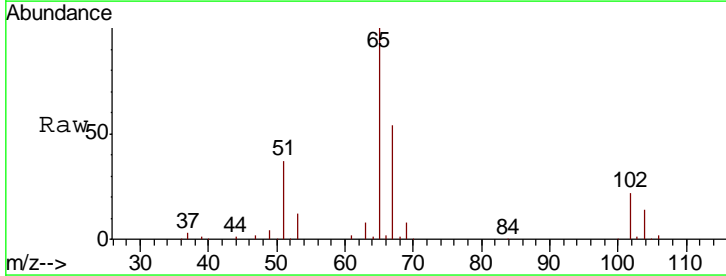
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

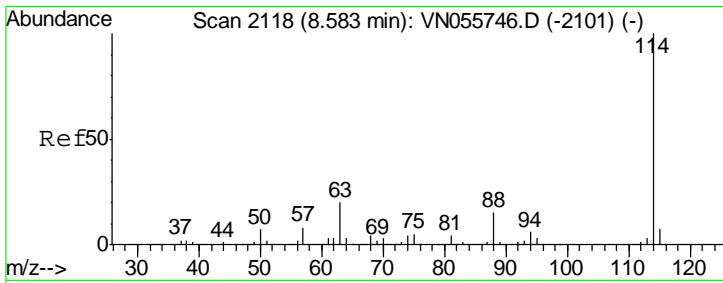
Tgt Ion	Resp	Lower	Upper
56	5264		
69	191.5	25.6	38.4#
84	168.0	67.4	101.0#



#33
 1,2-Dichloroethane-d4
 Concen: 46.559 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
65	175320		
67	53.6	0.0	109.2

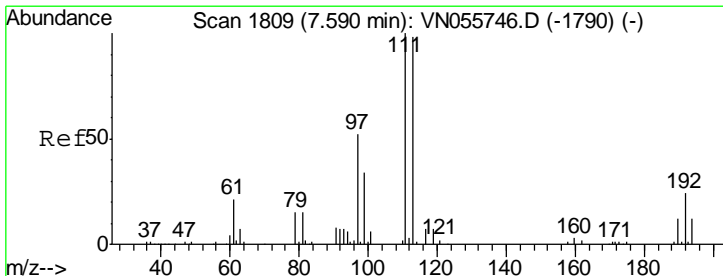
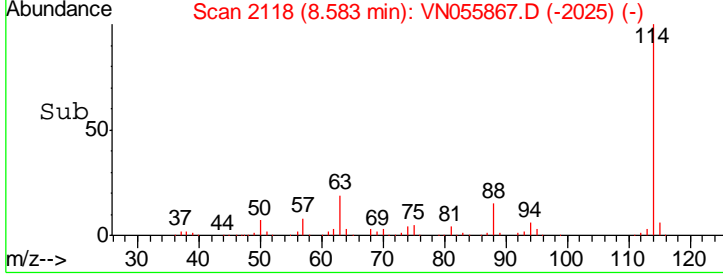
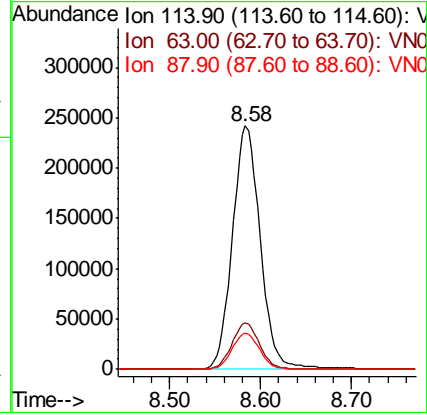
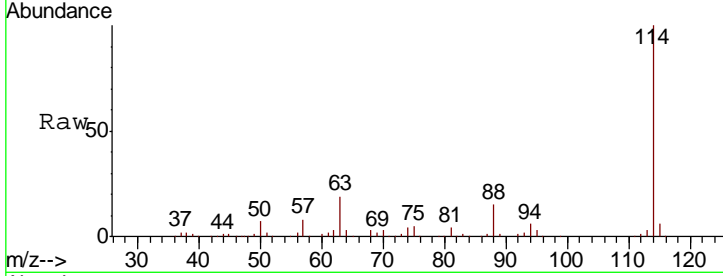




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

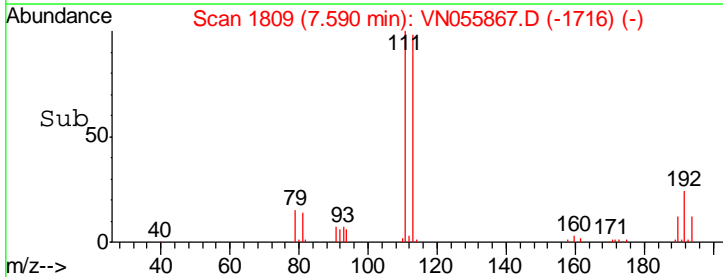
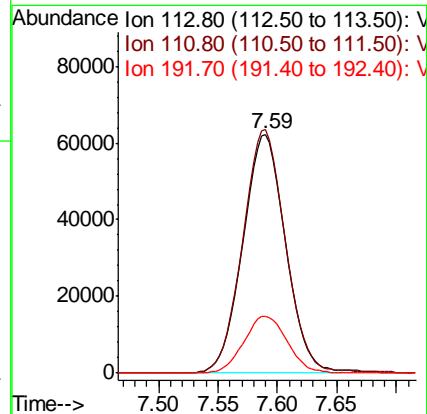
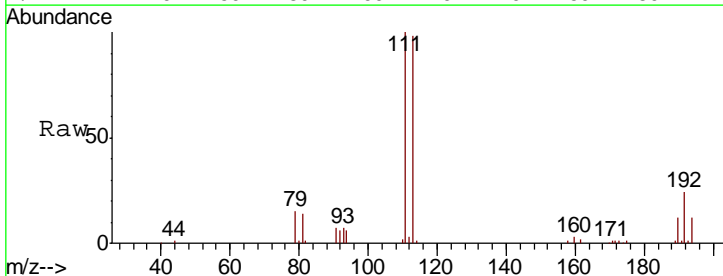
Instrument :
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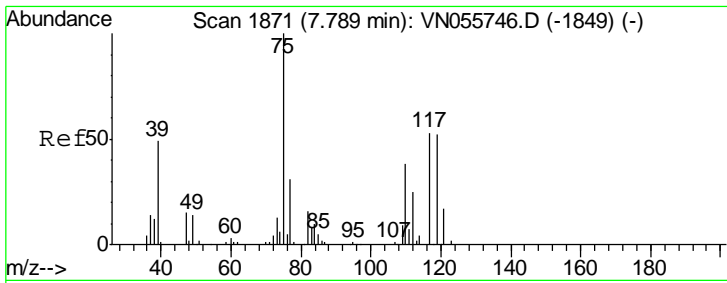
Tgt Ion	Resp	Lower	Upper
114	515611		
63	19.1	0.0	39.2
88	15.0	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.417 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
113	154574		
111	102.5	81.9	122.9
192	24.4	19.5	29.3

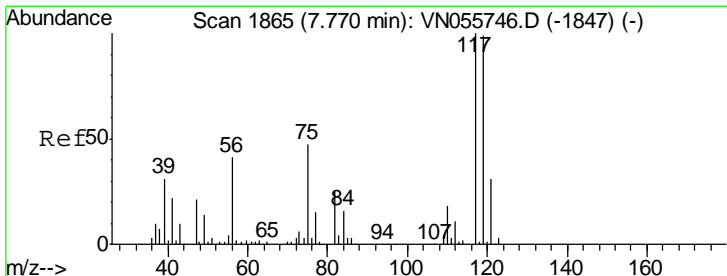
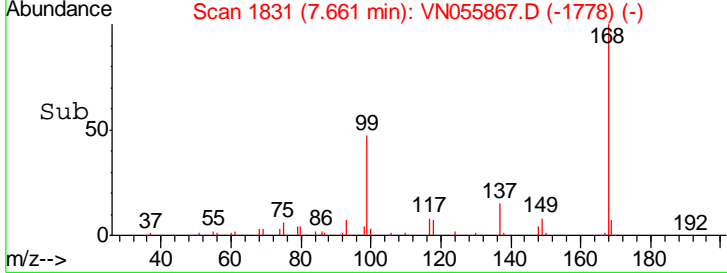
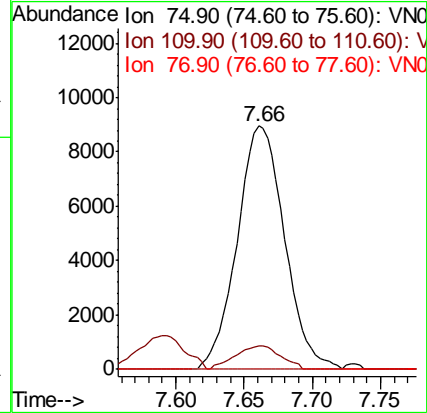
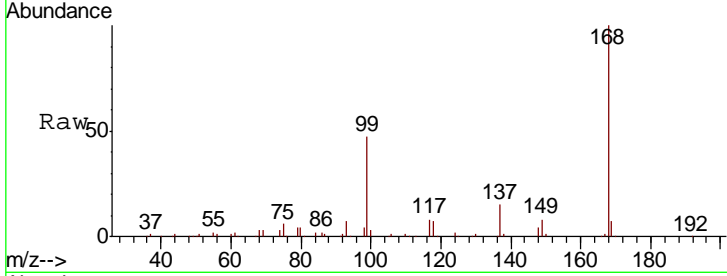




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

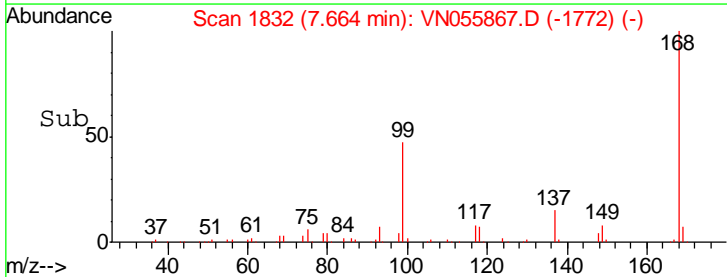
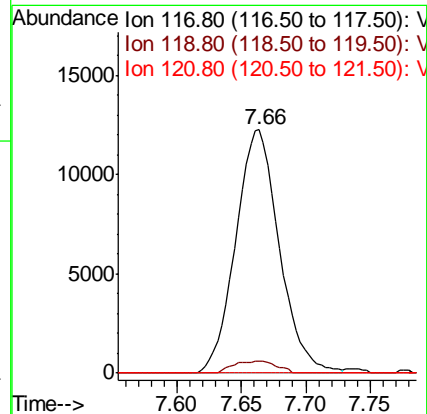
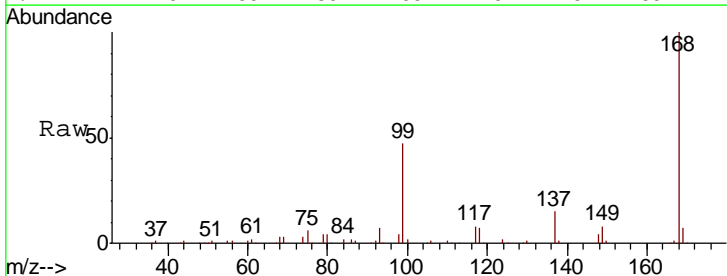
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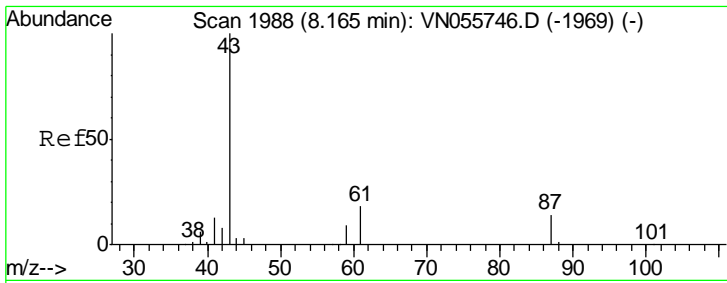
Tgt Ion	Resp	Lower	Upper
75	21572		
110	9.4	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.160 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
117	28832		
119	4.7	79.0	118.6#
121	0.0	24.7	37.1#

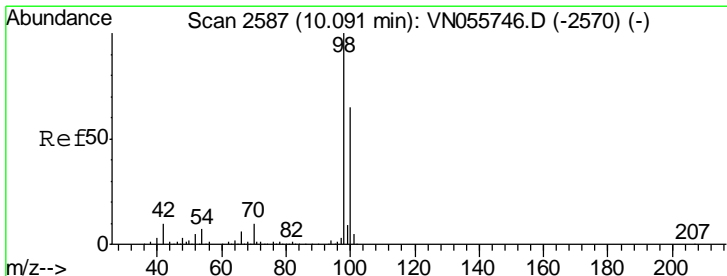
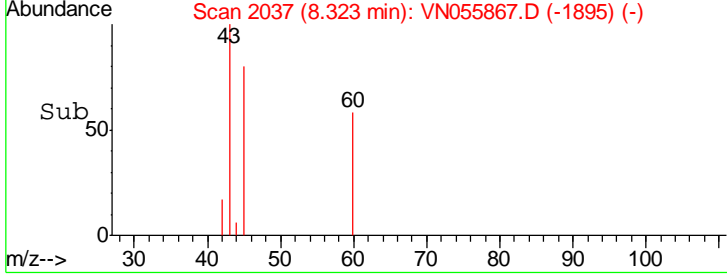
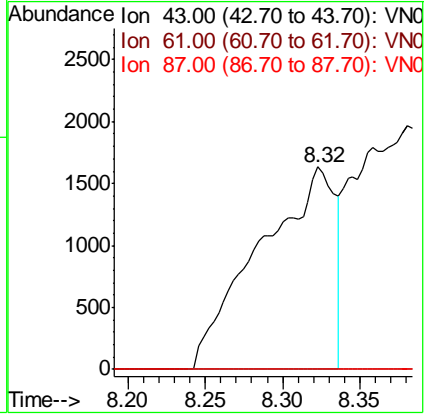
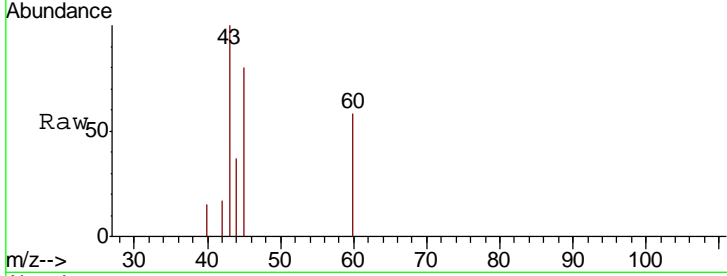




#43
 Isopropyl Acetate
 Concen: 0.761 ug/l
 RT: 8.32 min Scan# 2037
 Delta R.T. 0.16 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

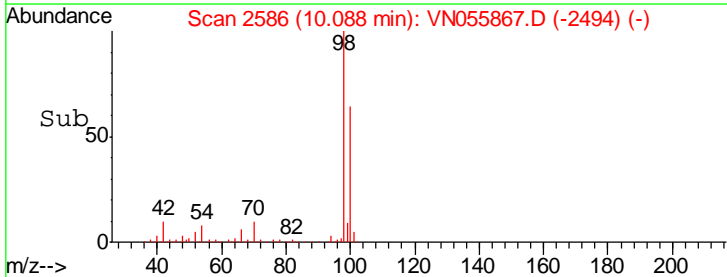
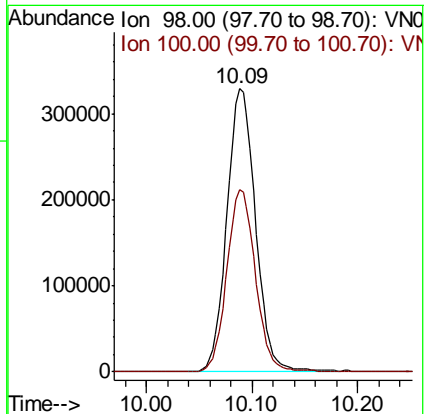
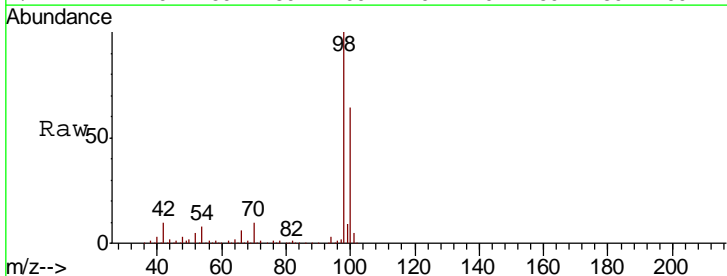
Instrument :
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ClientSampled :
 VN0529MBL01

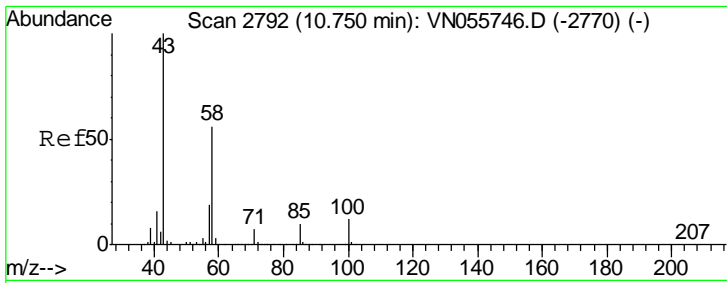
Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	22.2	33.4#
87	0.0	11.4	17.2#



#50
 Toluene-d8
 Concen: 49.458 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.7	51.9	77.9

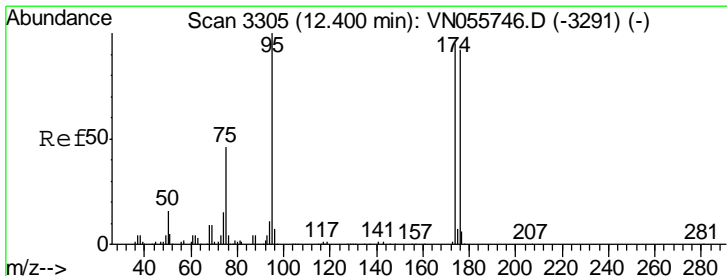
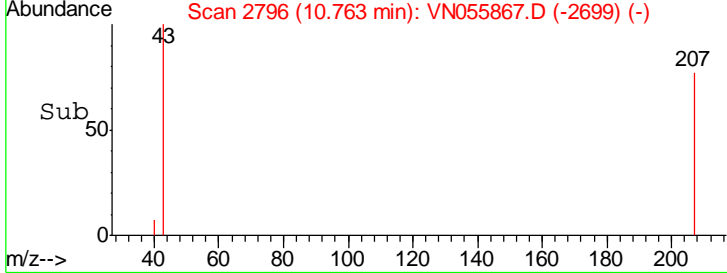
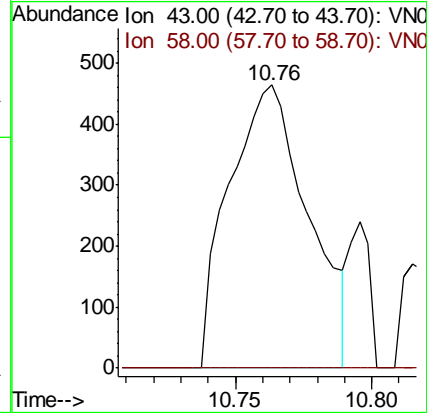
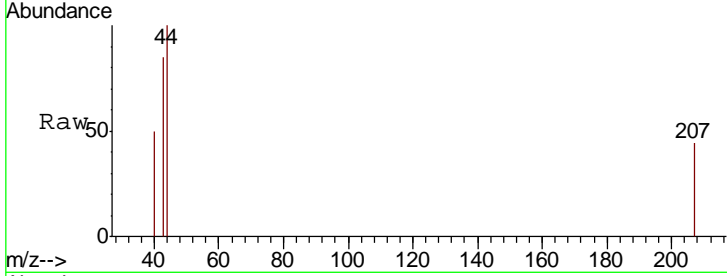




#59
 2-Hexanone
 Concen: 0.305 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

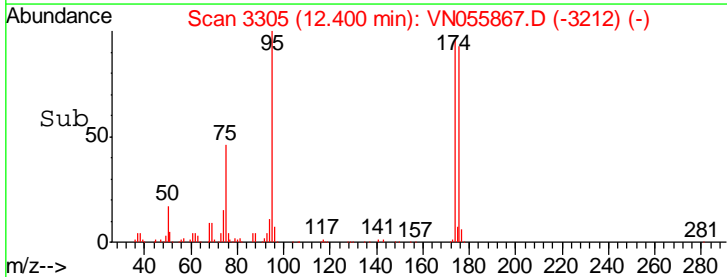
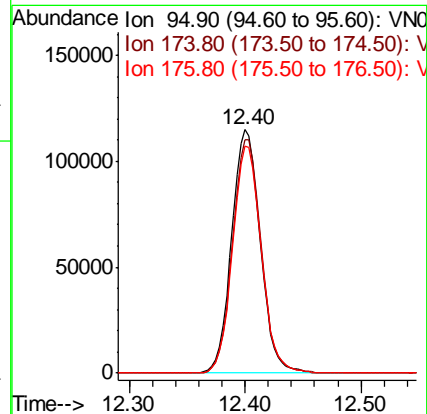
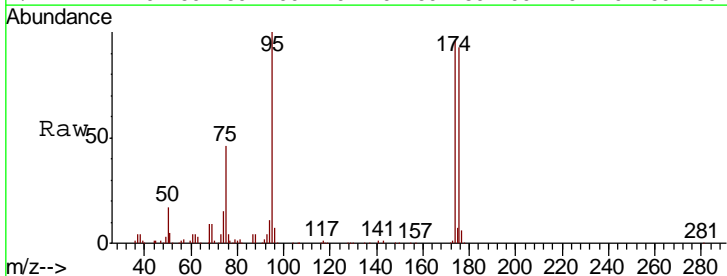
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

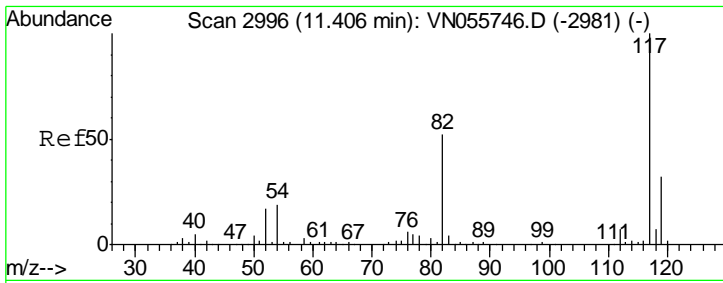
Tgt Ion: 43 Resp: 932
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.2 84.7#



#62
 4-Bromofluorobenzene
 Concen: 45.655 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion: 95 Resp: 195752
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 191.0
 176 93.5 0.0 185.2

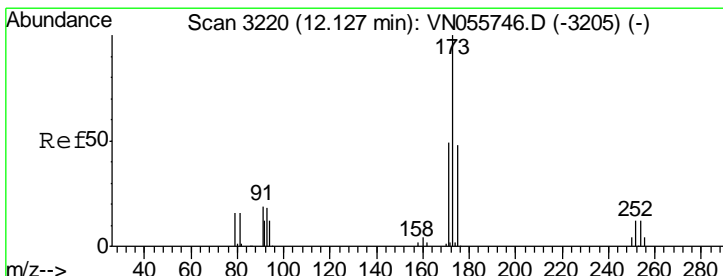
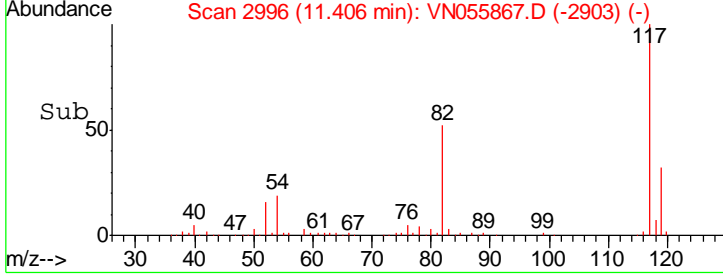
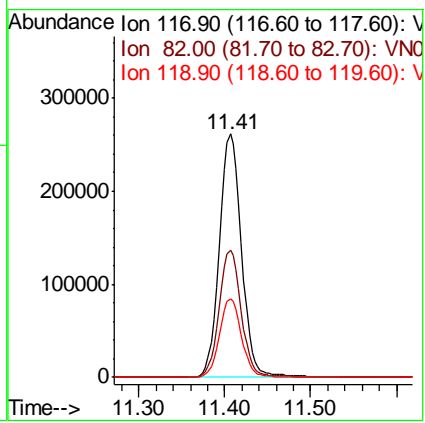
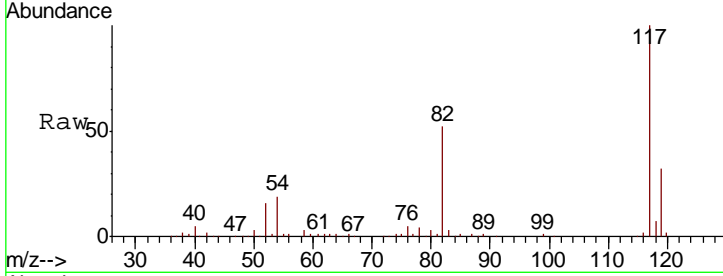




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

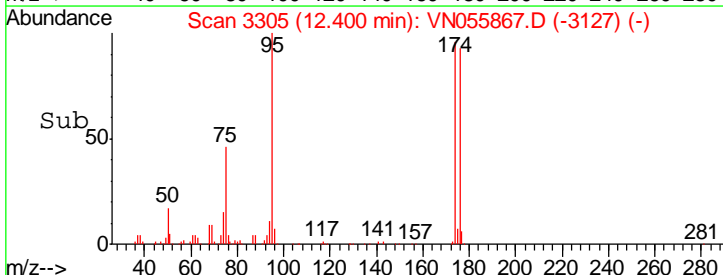
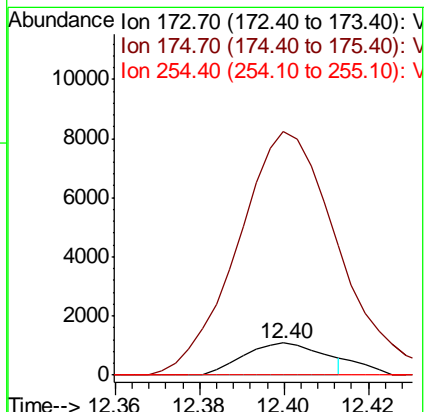
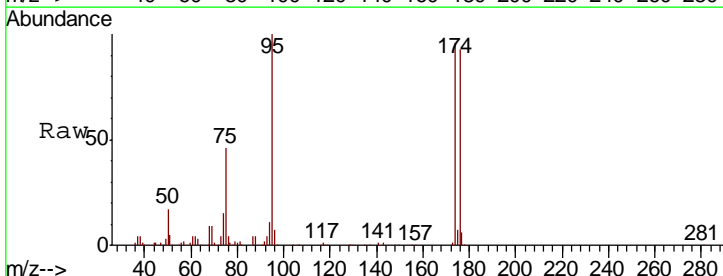
Instrument : MSVOA_N
 ClientSampled : VN0529MBL01

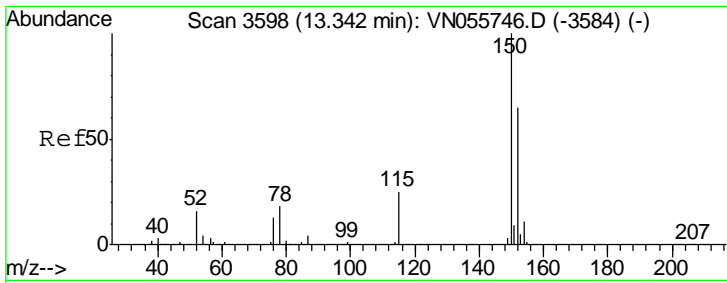
Tgt Ion	Resp	Lower	Upper
117	469313		
82	52.2	41.8	62.8
119	32.3	25.4	38.0



#71
 Bromoform
 Concen: 0.447 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
173	1430		
175	833.5	24.3	72.8#
254	0.0	0.0	0.0

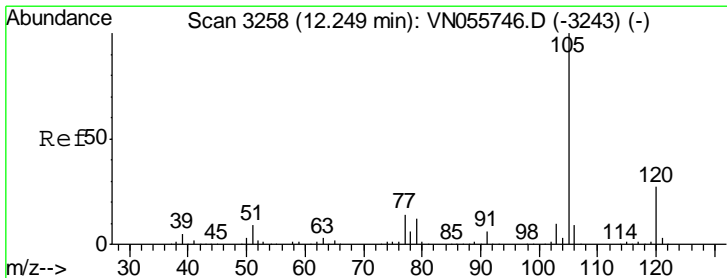
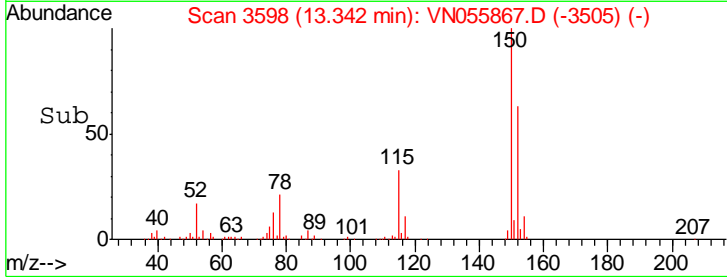
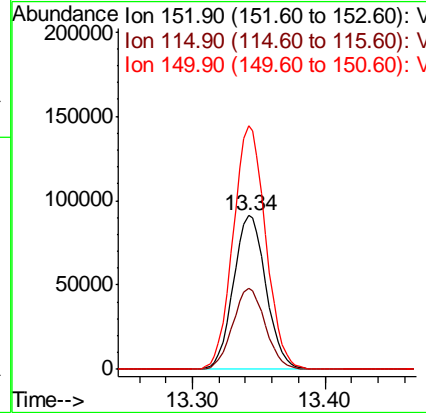
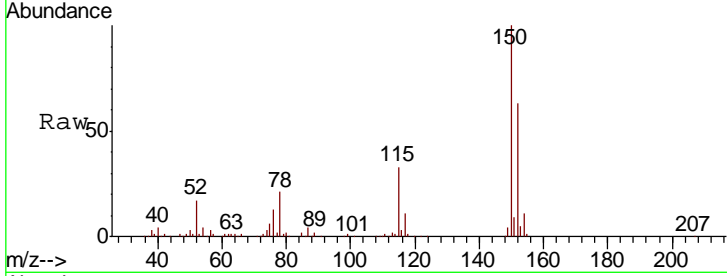




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

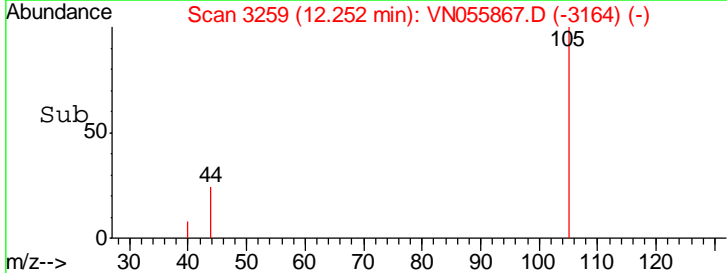
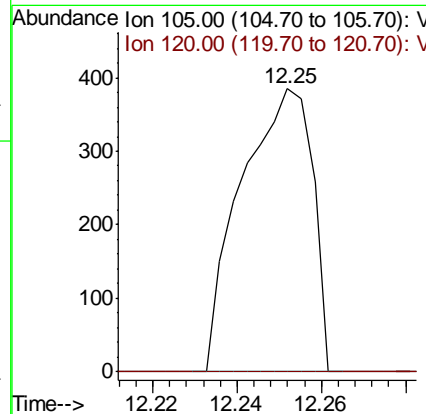
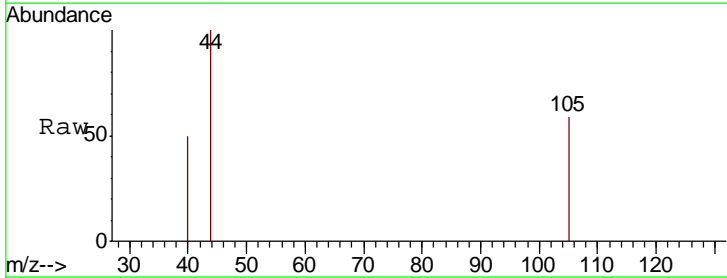
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

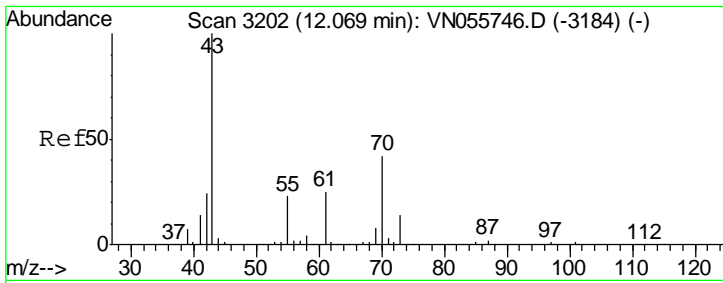
Tgt Ion	Resp	Lower	Upper
152	100		
115	52.5	27.0	81.0
150	157.8	0.0	343.2



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
105	100		
120	0.0	13.6	40.7#

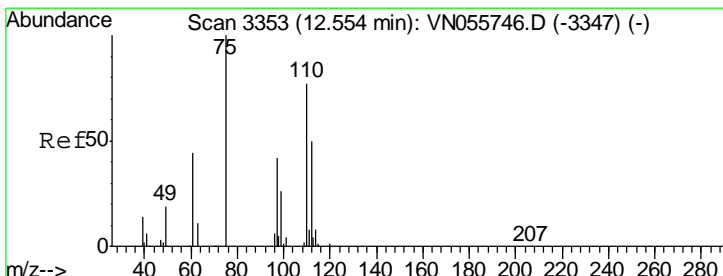
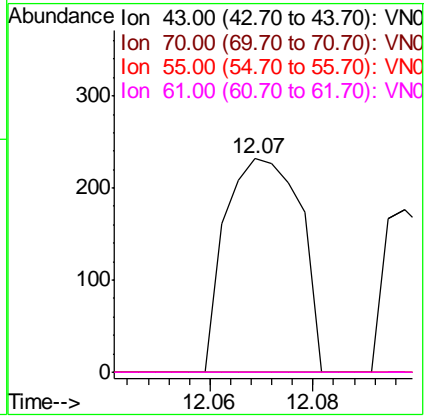
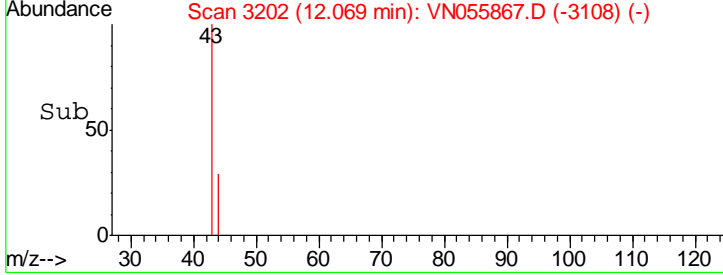
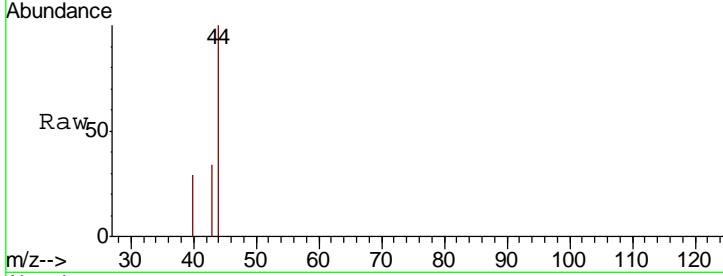




#74
 N-amyl acetate
 Concen: Below Cal
 RT: 12.07 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

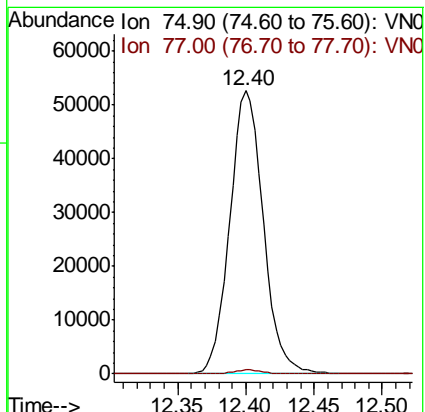
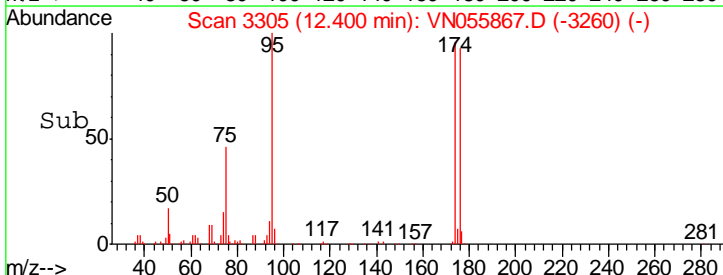
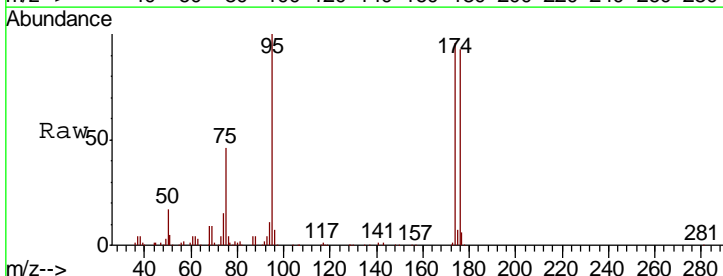
Instrument : MSVOA_N
 ClientSampled : VN0529MBL01

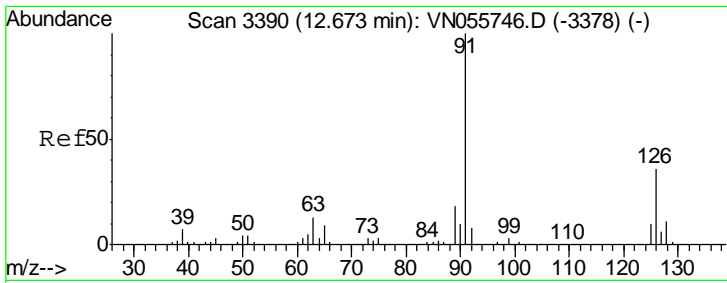
Tgt Ion	Resp	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	0.0	18.6	28.0#
61	0.0	20.0	30.0#



#76
 1,2,3-Trichloropropane
 Concen: 32.373 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.1	0.0	0.0#

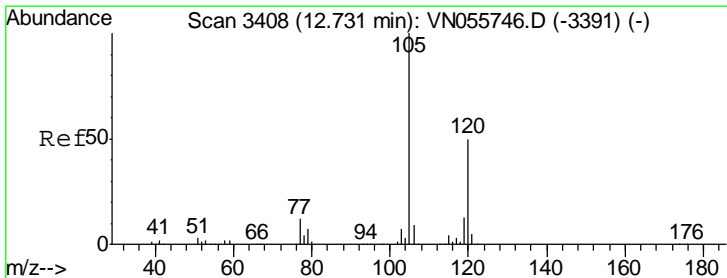
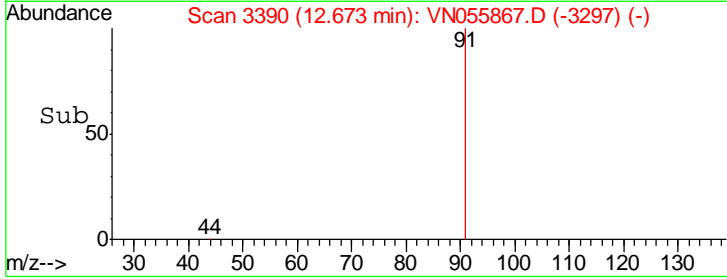
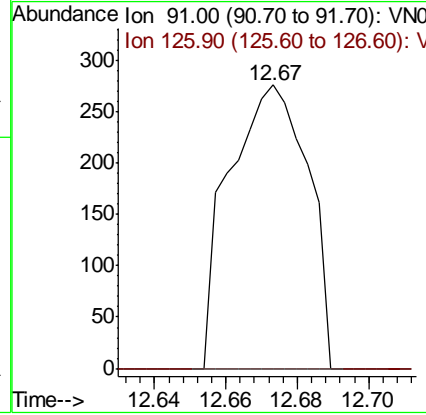
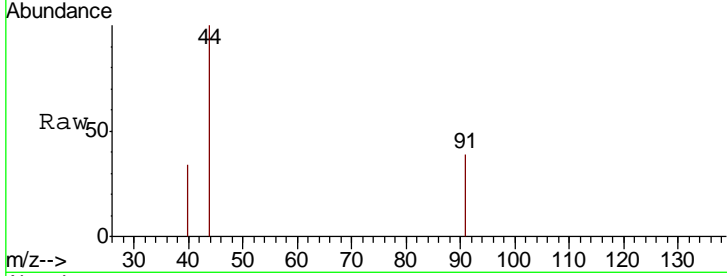




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

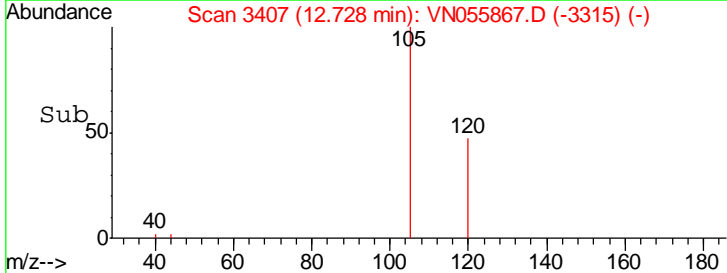
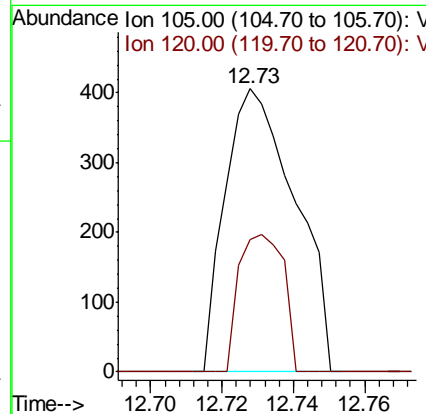
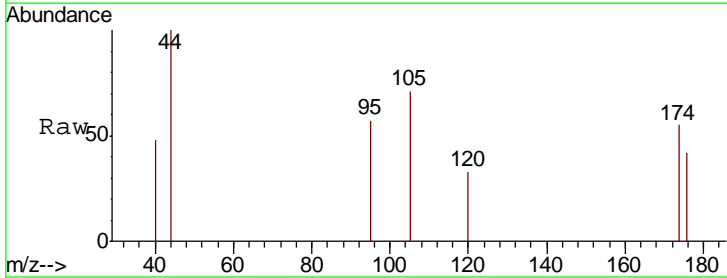
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

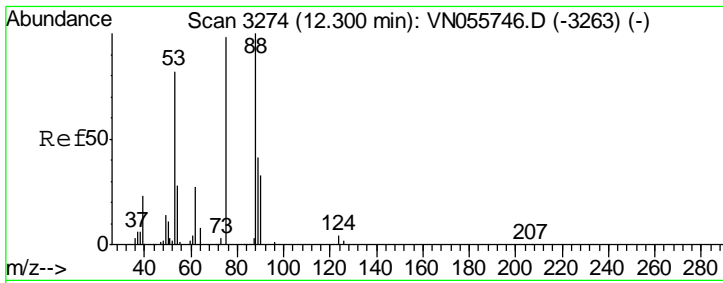
Tgt Ion: 91 Resp: 420
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion: 105 Resp: 550
 Ion Ratio Lower Upper
 105 100
 120 31.1 24.7 74.1

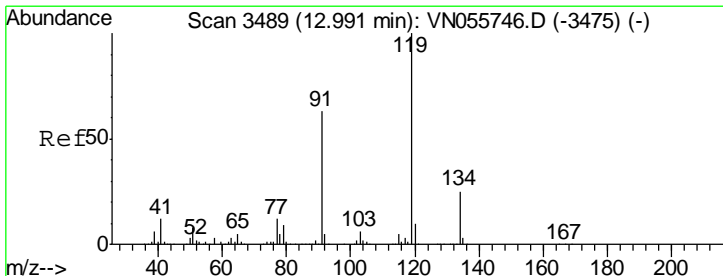
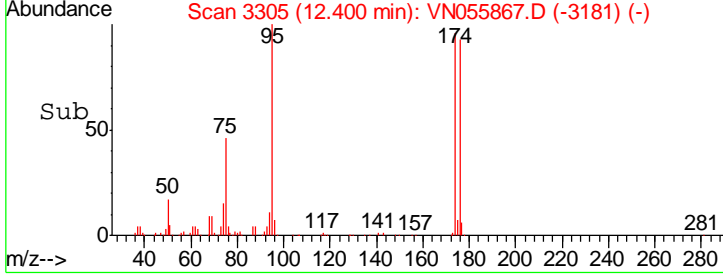
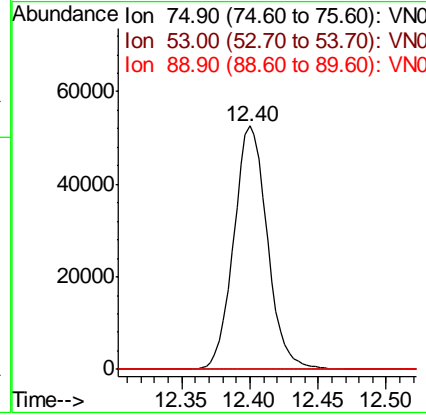
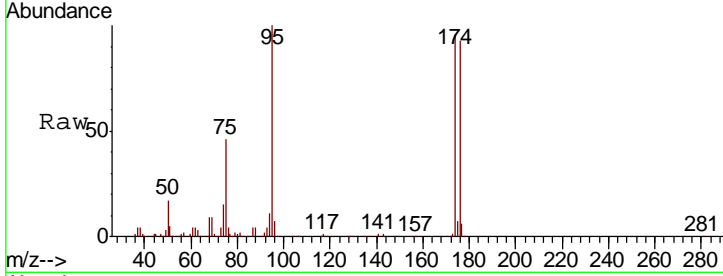




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.573 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

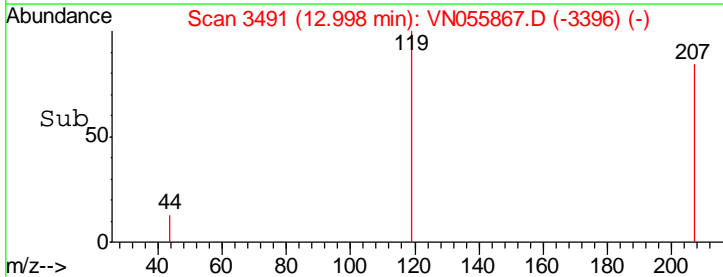
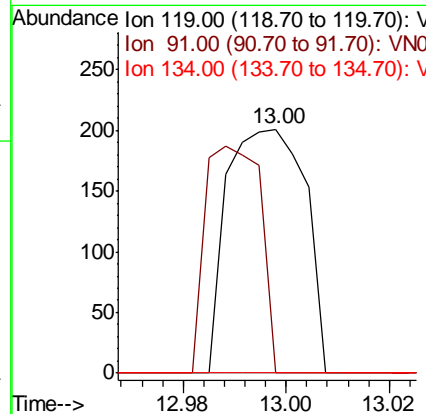
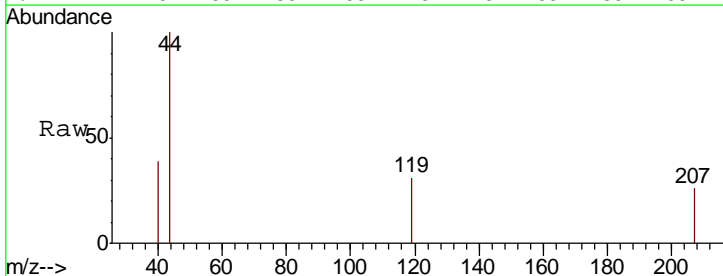
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

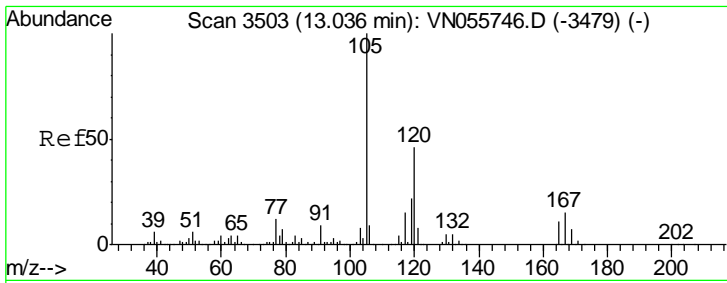
Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	68.1	102.1#
89	0.0	36.9	55.3#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.01 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
119	100		
91	65.7	30.9	92.8
134	0.0	13.3	39.8#

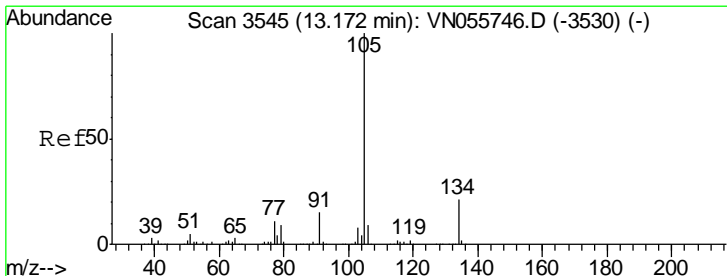
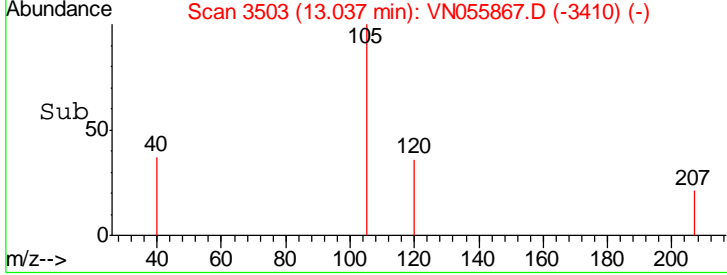
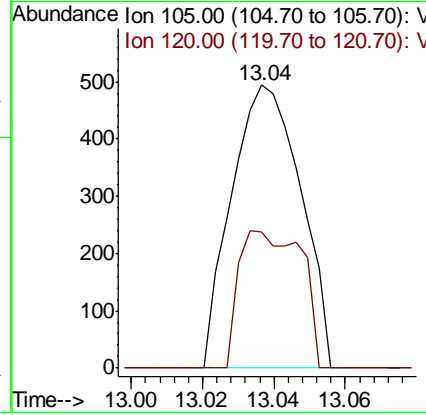
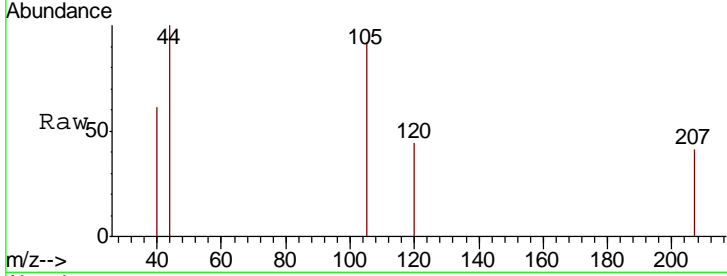




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

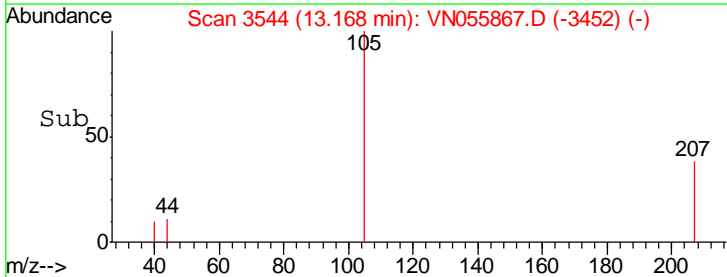
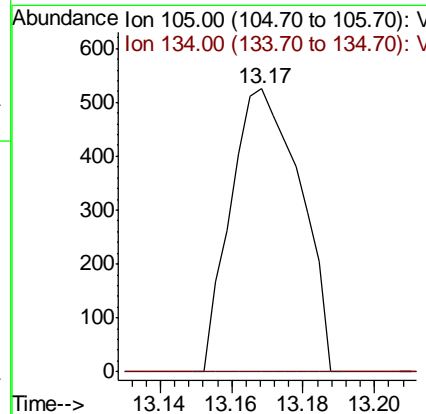
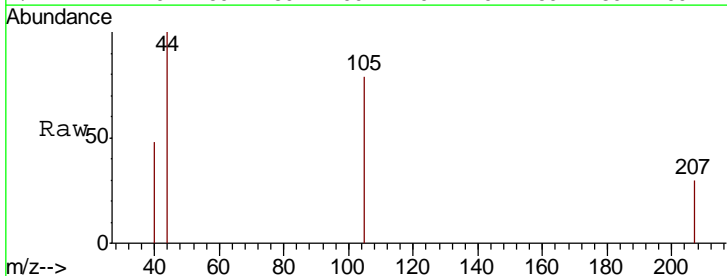
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

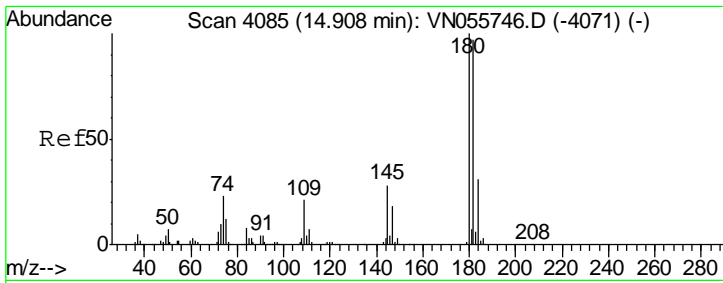
Tgt Ion:105 Resp: 660
 Ion Ratio Lower Upper
 105 100
 120 43.8 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion:105 Resp: 705
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

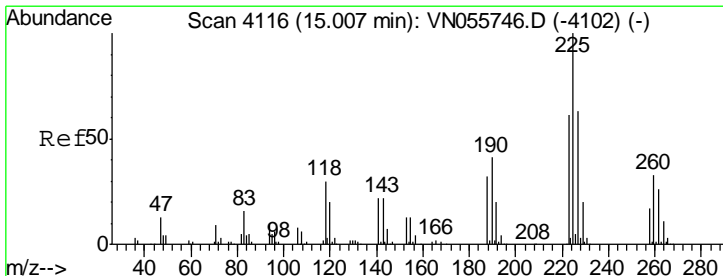
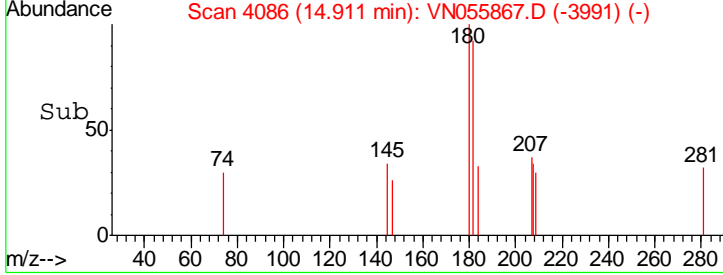
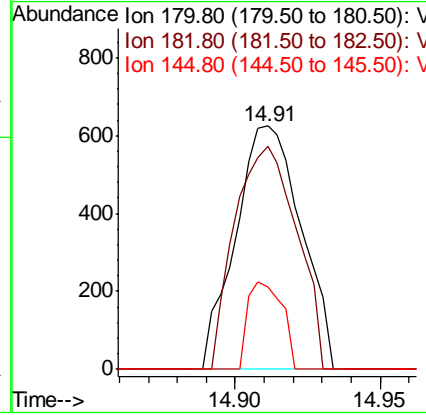
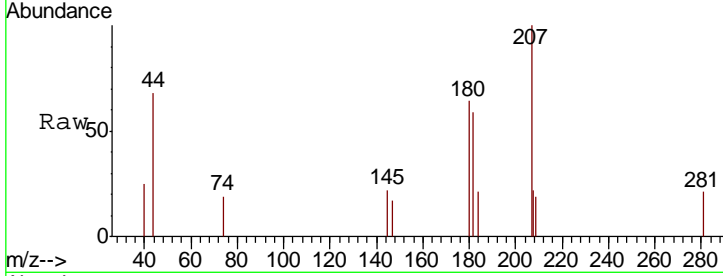




#93
 1,2,4-Trichlorobenzene
 Concen: 3.938 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

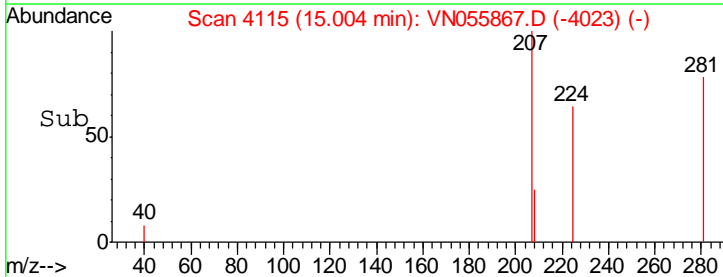
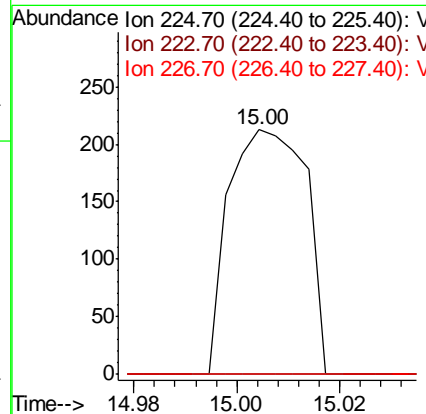
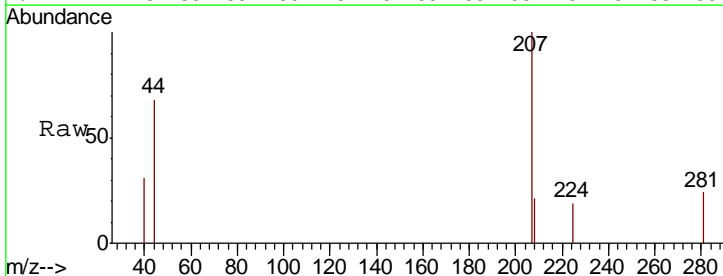
Instrument :
 MSVOA_N
 ClientSampled :
 VN0529MBL01

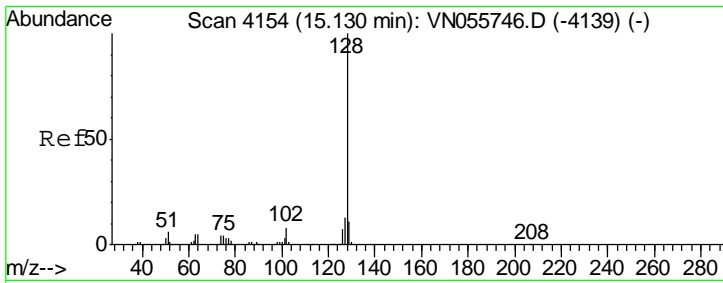
Tgt Ion	Resp	Lower	Upper
180	100		
182	86.6	48.3	144.9
145	18.8	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
225	100		
223	0.0	30.9	92.7#
227	0.0	31.6	94.7#

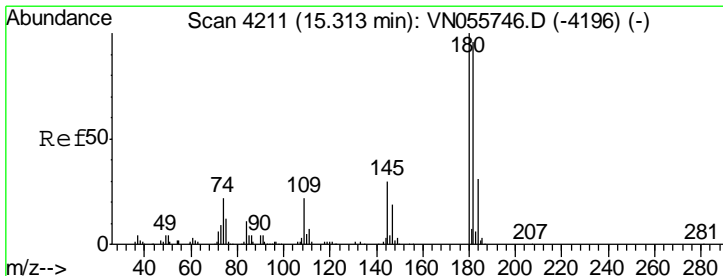
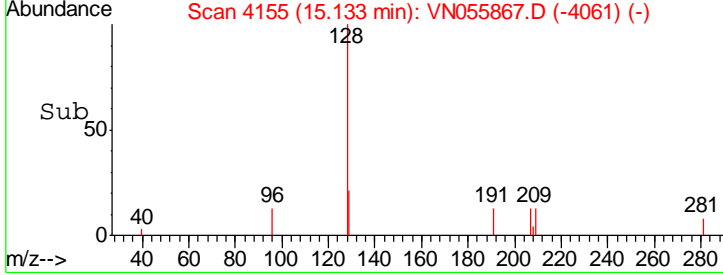
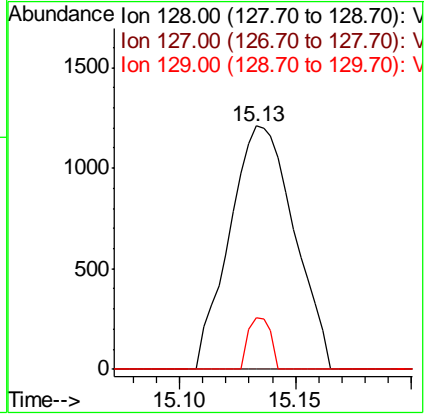
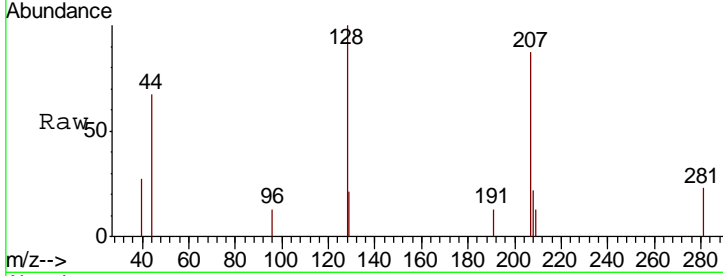




#95
 Naphthalene
 Concen: 0.325 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Instrument : MSVOA_N
 ClientSampled : VN0529MBL01

Tgt Ion	Resp	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	7.4	8.7	13.1#



#96
 1,2,3-Trichlorobenzene
 Concen: 0.427 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055867.D
 Acq: 29 May 2019 10:48

Tgt Ion	Resp	Lower	Upper
180	100		
182	73.4	47.9	143.7
145	15.1	14.9	44.7

