

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052415.D
 Acq On : 20 Nov 2018 18:39
 Operator : MD\SY
 Sample : PB114952ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 23:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	291051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	494760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	223199	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	7.59	113	162010	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	622720	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	185084	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	

Target Compounds

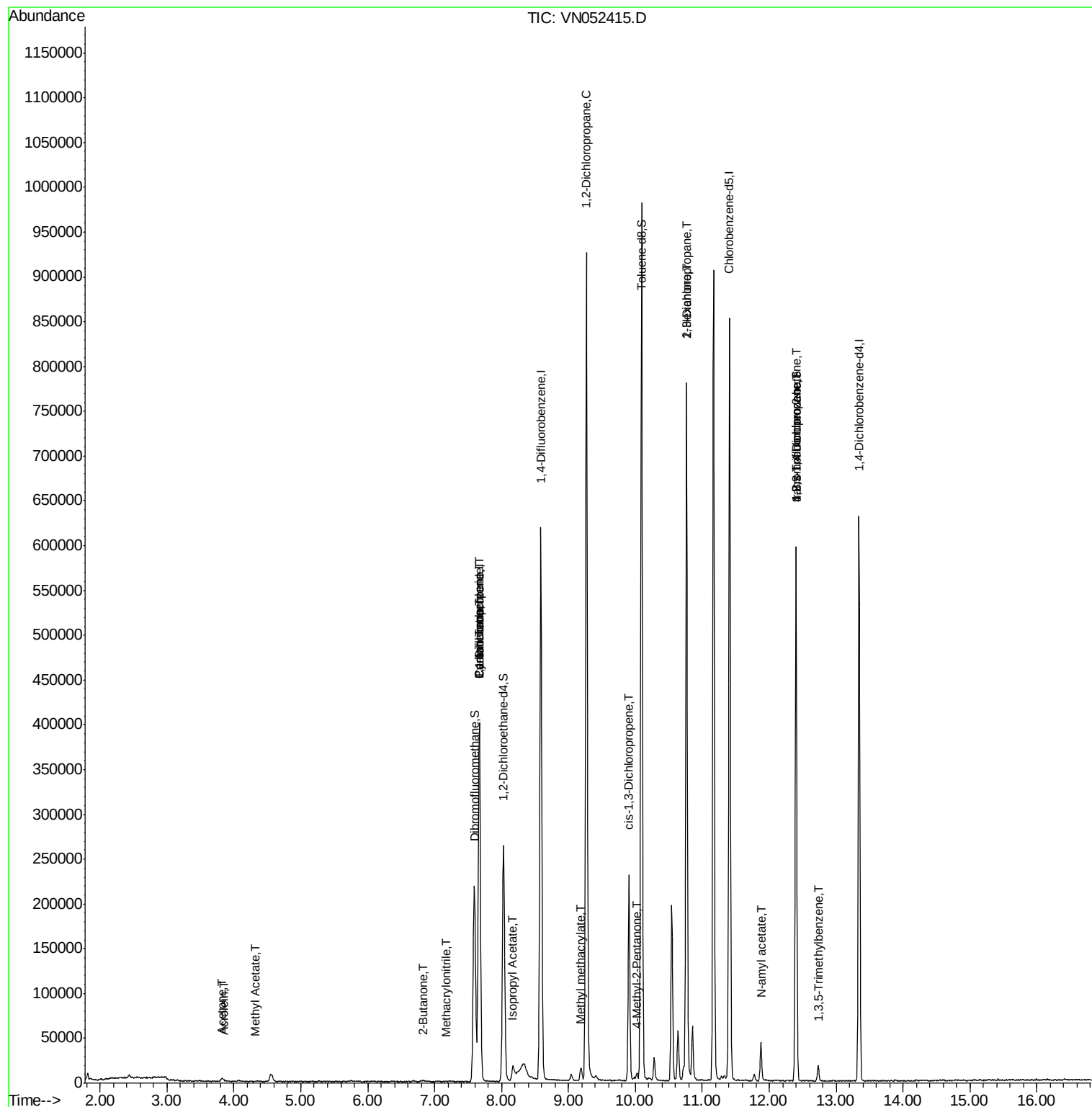
					Qvalue	
13) Acrolein	3.85	56	31	21.857	ug/l #	14
16) Acetone	3.82	43	5937	5.246	ug/l	95
18) Methyl Acetate	4.31	43	490	0.585	ug/l #	57
20) Methylene Chloride	4.55	84	2367	Below Cal	#	90
25) 2-Butanone	6.82	43	494	0.310	ug/l #	52
31) Cyclohexane	7.67	56	9143	0.411	ug/l #	43
36) 1,1-Dichloropropene	7.67	75	27400	5.525	ug/l #	51
38) Carbon Tetrachloride	7.66	117	32443	7.121	ug/l #	15
41) Methacrylonitrile	7.16	41	247	3.810	ug/l #	100
43) Isopropyl Acetate	8.17	43	24552	3.535	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1142	0.284	ug/l #	44
48) Methyl methacrylate	9.18	41	5162	1.465	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	5337	1.527	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	33518	6.104	ug/l #	75
57) 1,3-Dichloropropane	10.76	76	6862	1.261	ug/l #	43
59) 2-Hexanone	10.76	43	131266	54.592	ug/l #	55
74) N-amyl acetate	11.88	43	14705	3.528	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	107778	43.645	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7686	0.826	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	107778	141.559	ug/l #	5

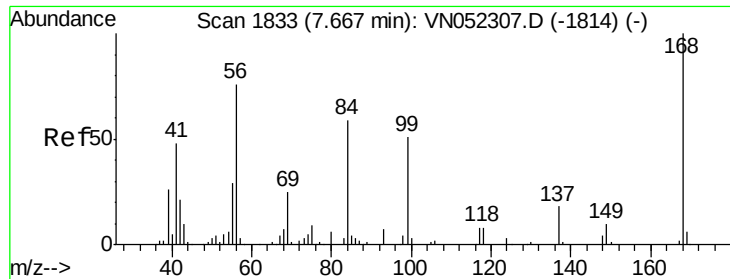
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 20 23:57:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
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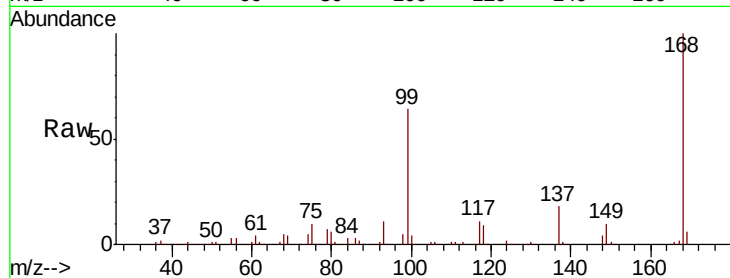




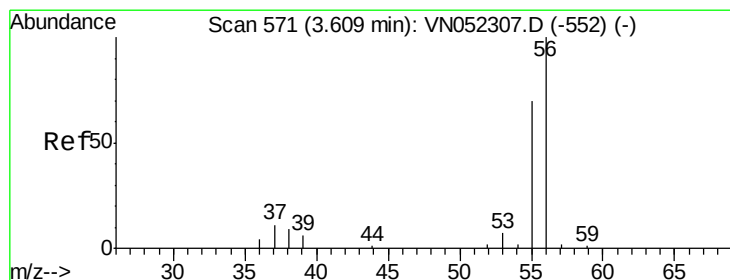
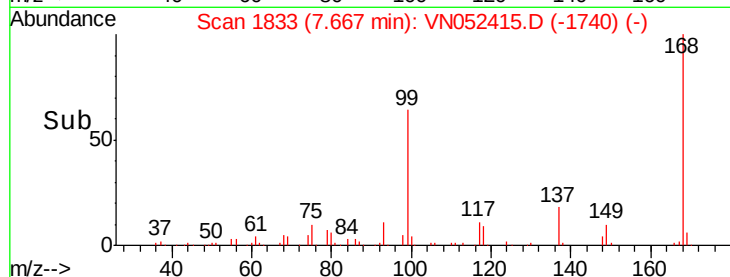
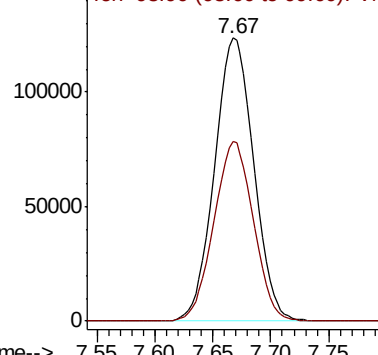
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 291051
Ion Ratio Lower Upper
168 100
99 63.6 47.9 71.9

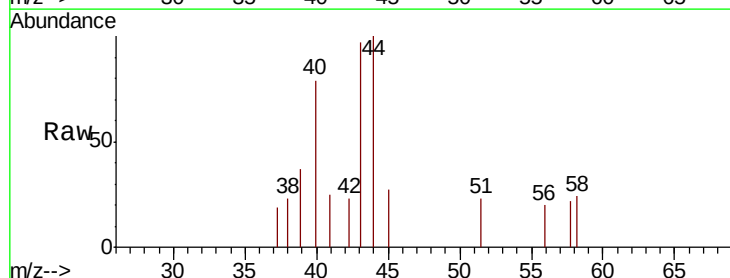


Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)
Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

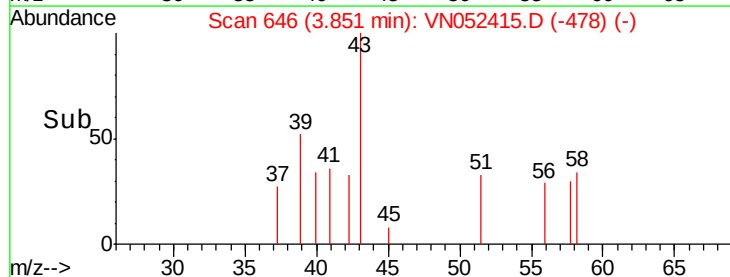
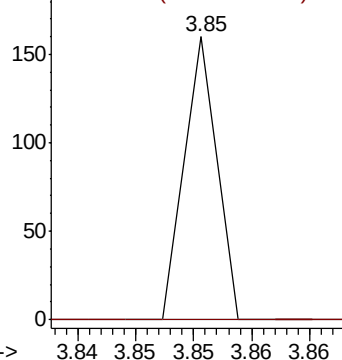


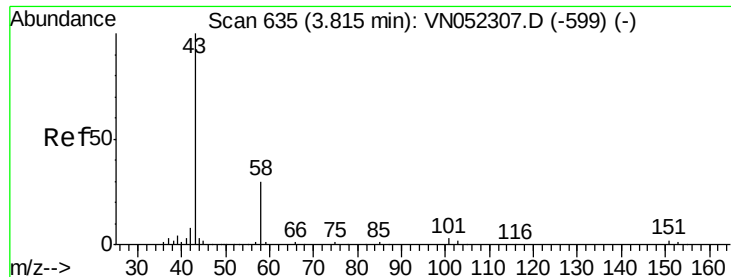
#13
Acrolein
Concen: 21.857 ug/l
RT: 3.85 min Scan# 646
Delta R.T. 0.24 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)
Ion 55.00 (54.70 to 55.70): VN052307.D (-552) (-)





#16

Acetone

Concen: 5.246 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

Instrument :

MSVOA_N

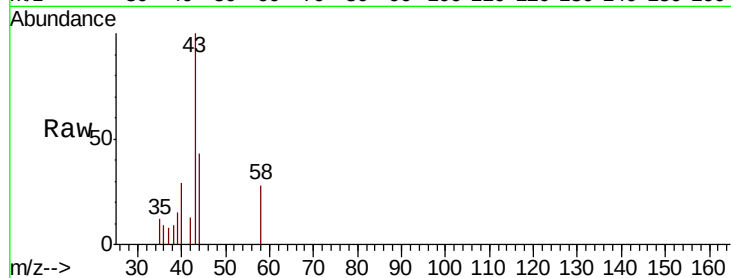
ClientSampleId :

Tot Ion: 43 Resp: 5937

Ion Ratio Lower Upper

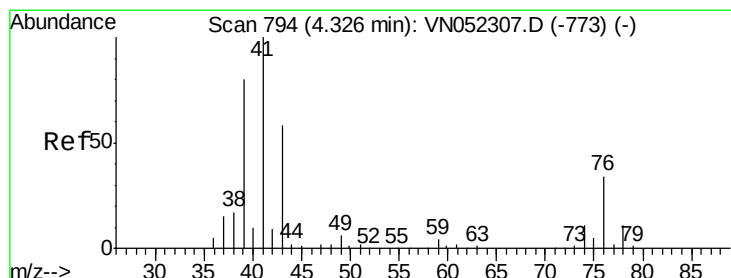
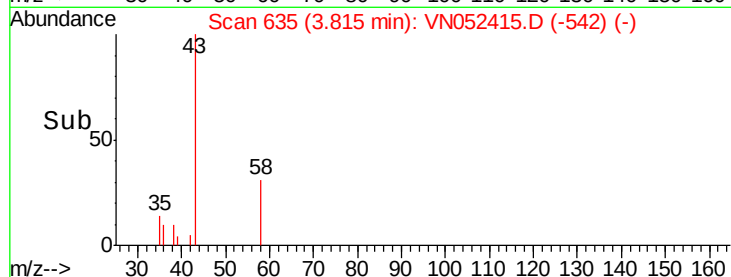
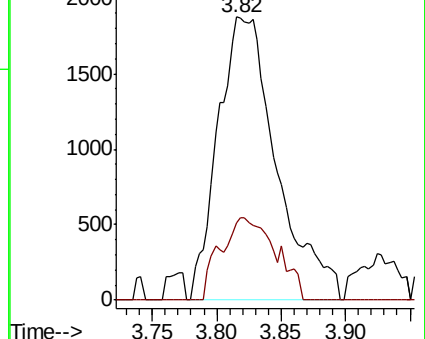
43 100

58 27.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.585 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN052415.D

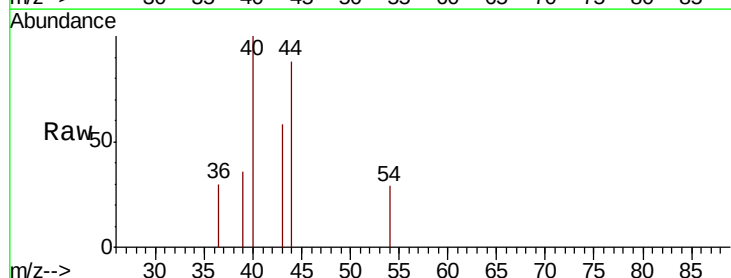
Acq: 20 Nov 2018 18:39

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

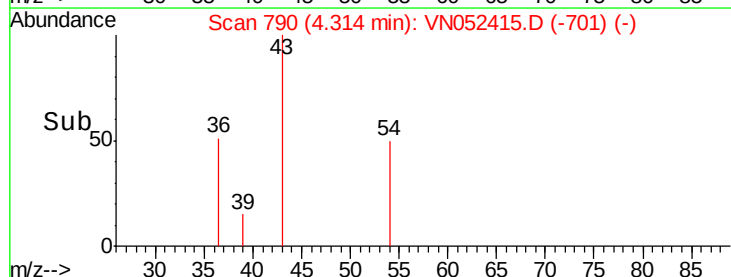
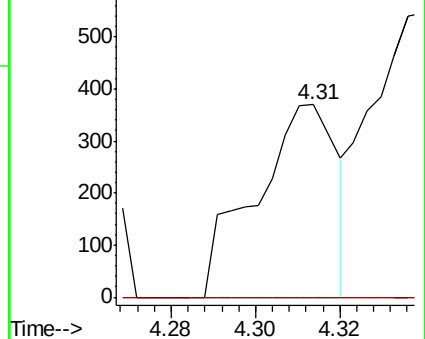
43 100

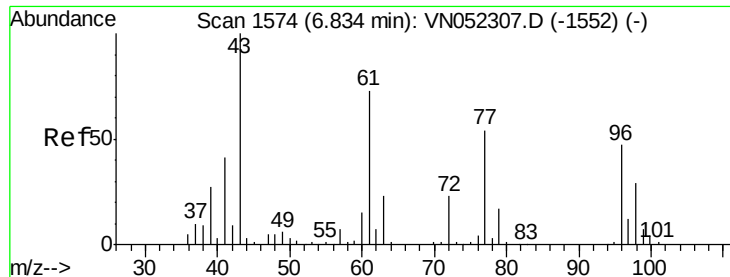
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

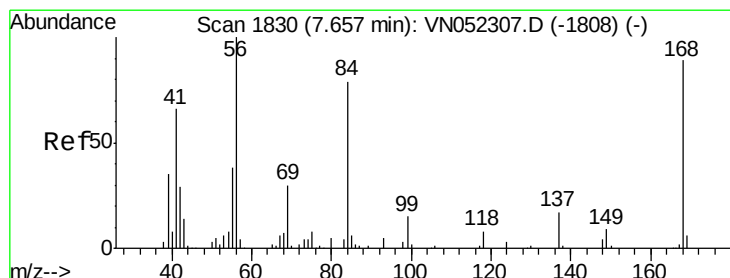
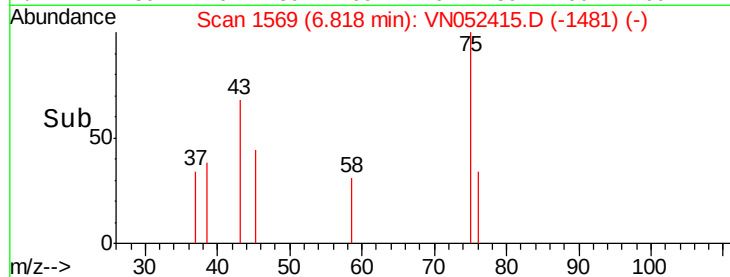
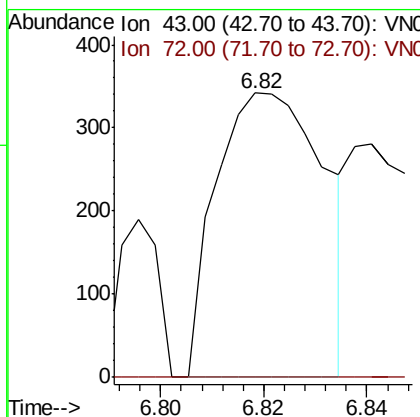
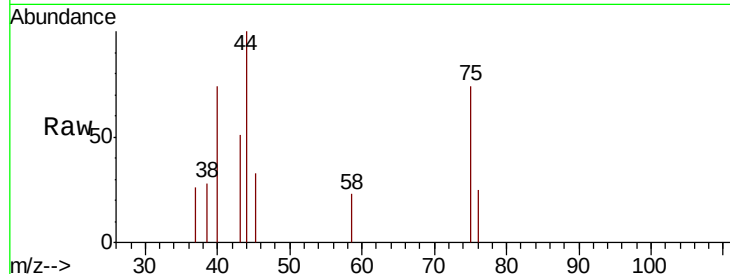




#25
 2-Butanone
 Concen: 0.310 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

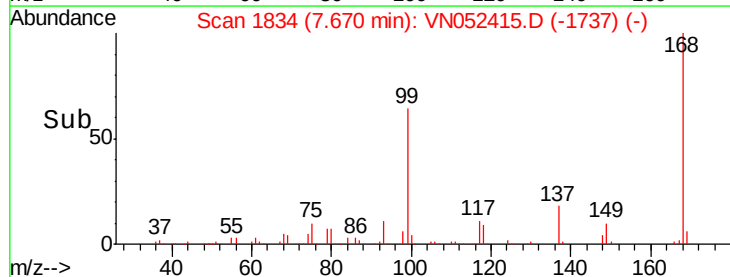
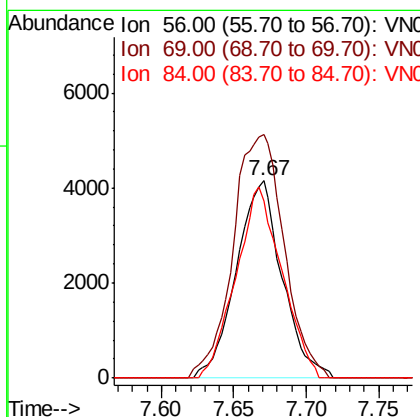
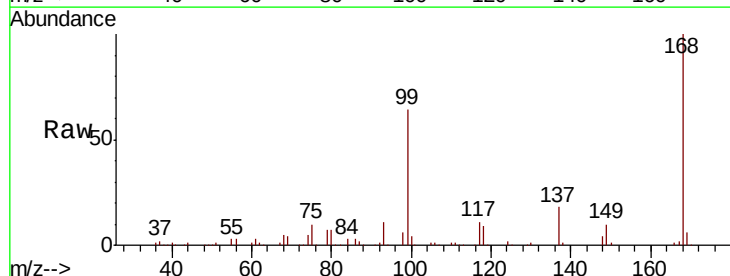
Instrument :
 MSVOA_N
 ClientSampleId :

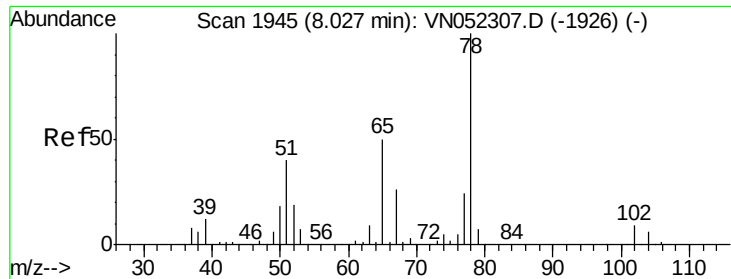
Tot Ion: 43 Resp: 494
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



#31
 Cyclohexane
 Concen: 0.411 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

Tgt Ion: 56 Resp: 9143
 Ion Ratio Lower Upper
 56 100
 69 123.6 23.8 35.8#
 84 89.6 63.0 94.6

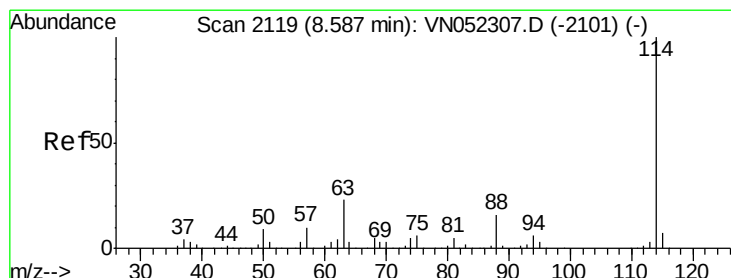
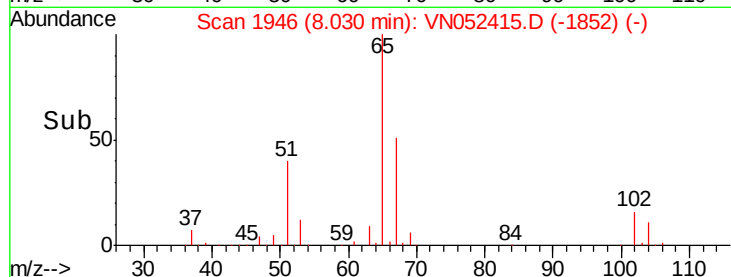
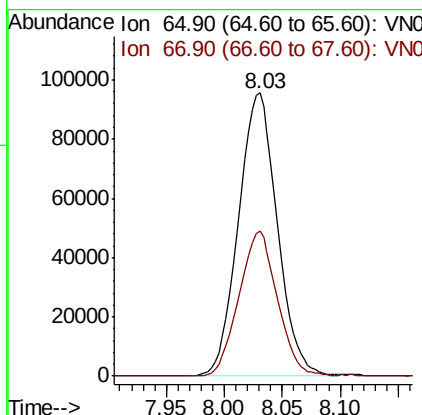
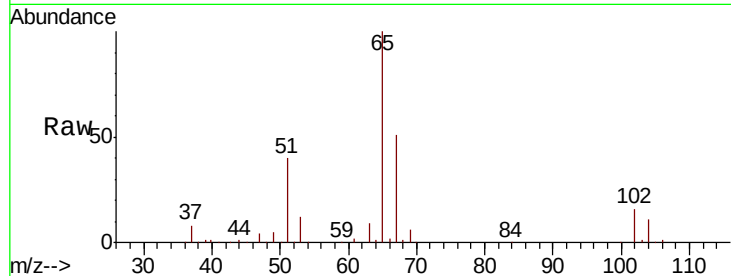




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

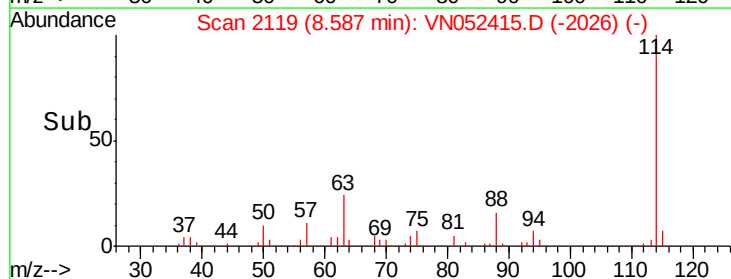
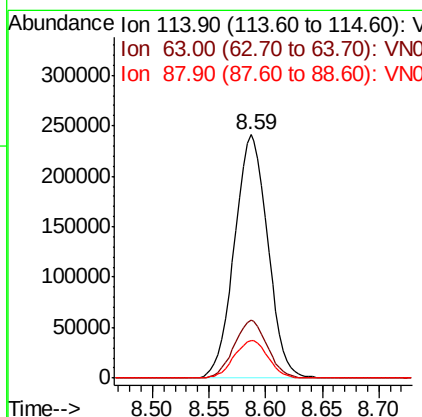
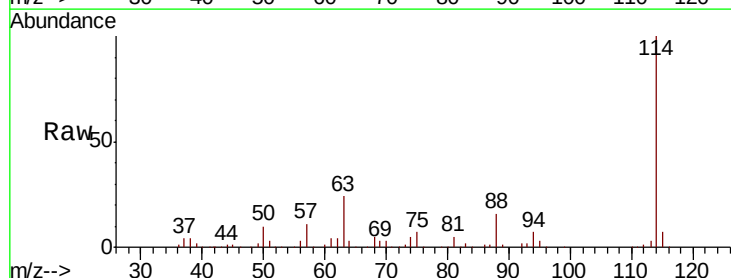
Instrument :
 MSVOA_N
 ClientSampleId :

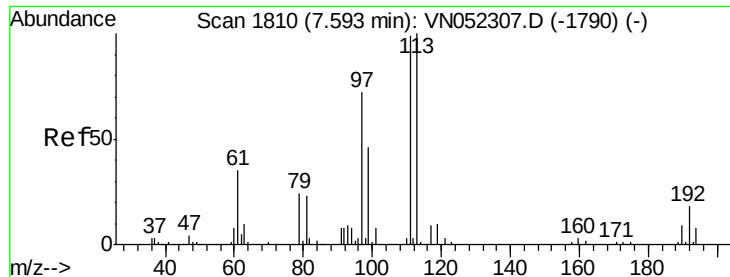
Tot Ion: 65 Resp: 223199
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

Tgt Ion: 114 Resp: 494760
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.4
 88 15.6 0.0 31.2

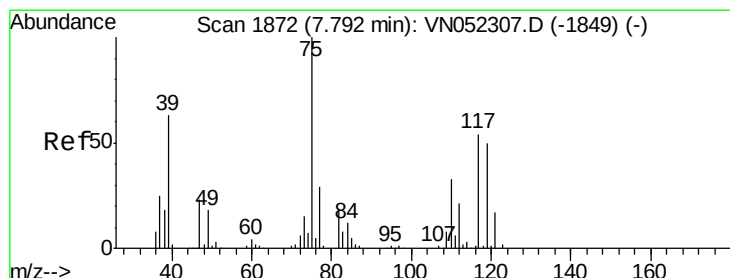
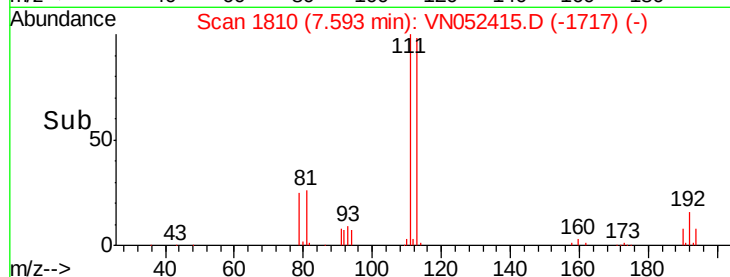
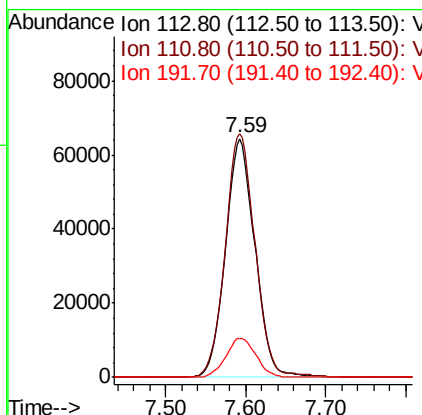
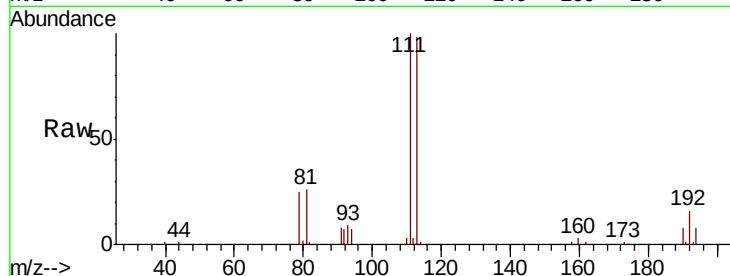




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

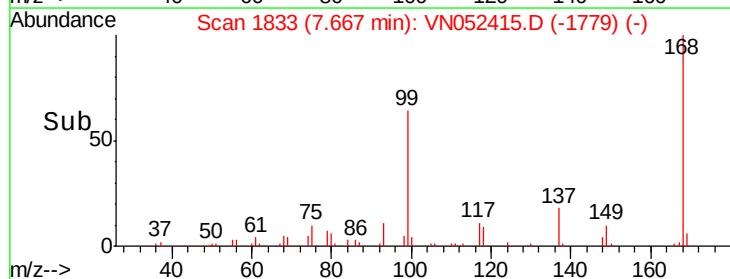
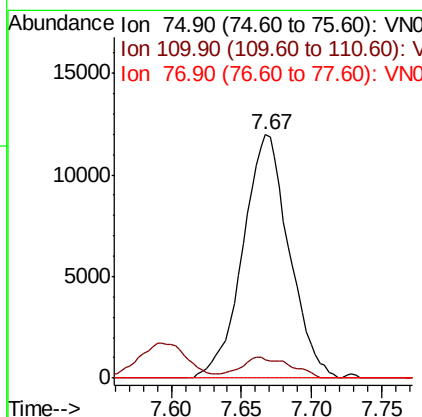
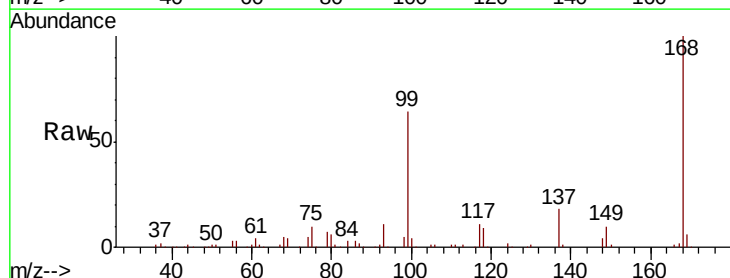
Instrument :
 MSVOA_N
 ClientSampleId :

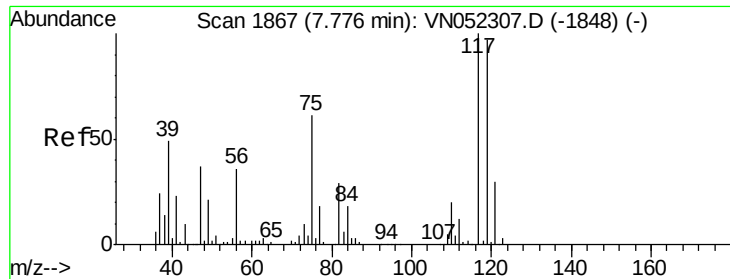
Tot Ion:113 Resp: 162010
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 16.7 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.525 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

Tgt Ion: 75 Resp: 27400
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.5 49.5#
 77 0.0 24.2 36.2#

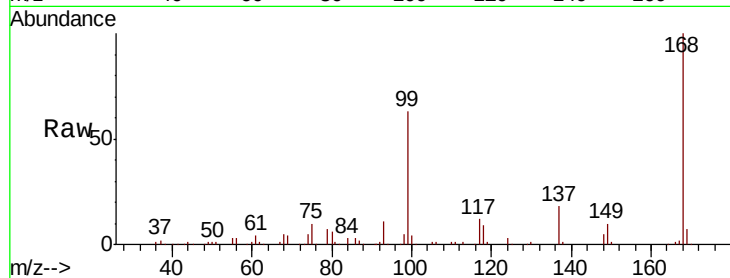




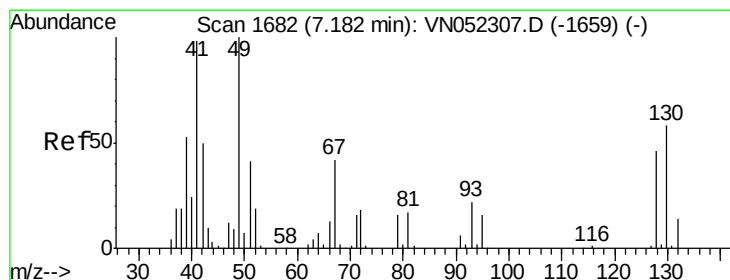
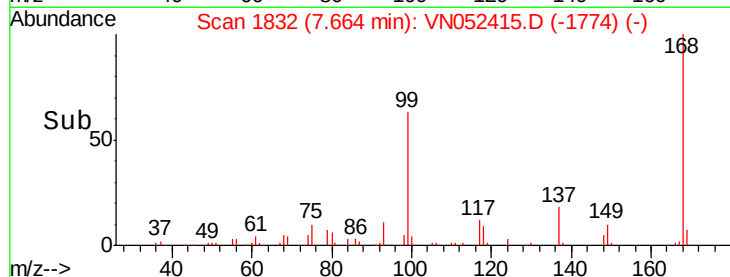
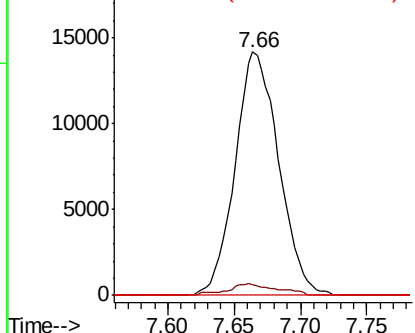
#38
Carbon Tetrachloride
Concen: 7.121 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 32443
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 24.0 36.0#

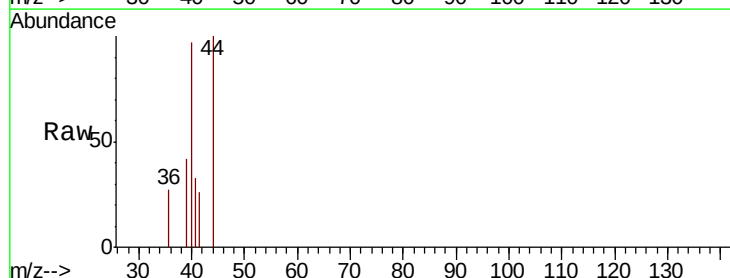


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

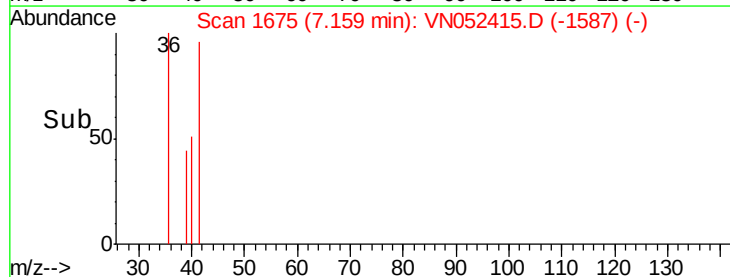
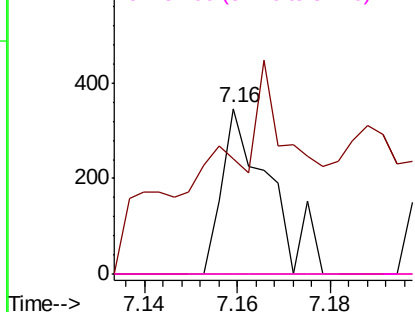


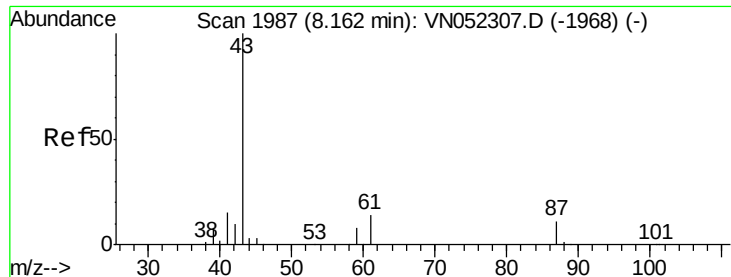
#41
Methacrylonitrile
Concen: 3.810 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Tgt Ion: 41 Resp: 247
Ion Ratio Lower Upper
41 100
39 253.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 3.535 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

Instrument :

MSVOA_N

ClientSampled :

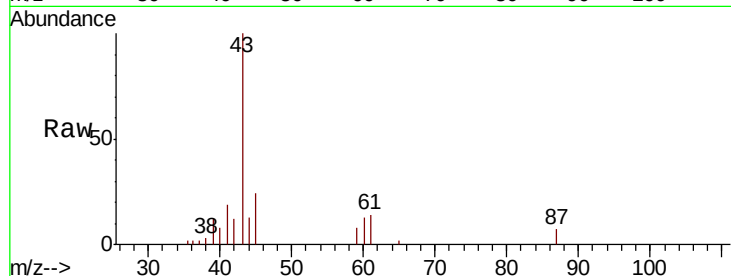
Tot Ion: 43 Resp: 24552

Ion Ratio Lower Upper

43 100

61 10.9 12.0 18.0#

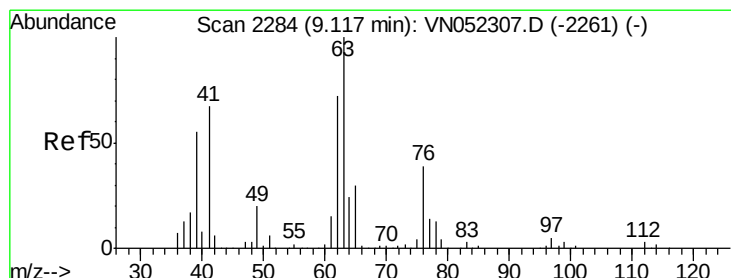
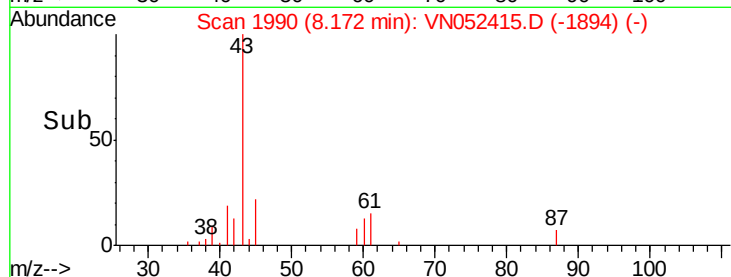
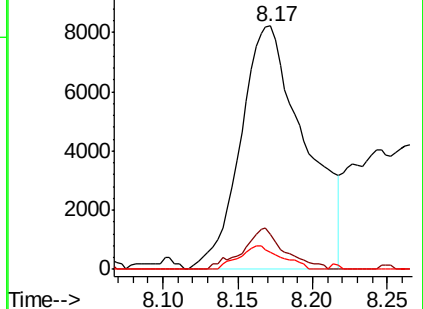
87 6.2 8.3 12.5#



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



#45

1,2-Dichloropropane

Concen: 0.284 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN052415.D

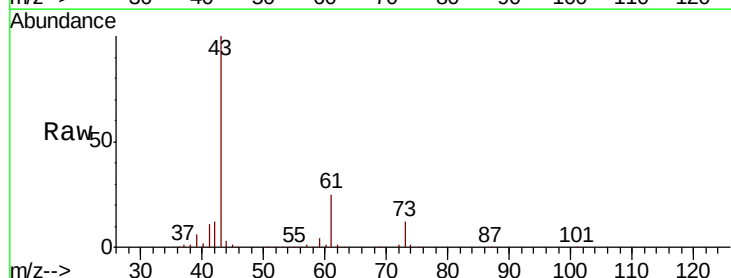
Acq: 20 Nov 2018 18:39

Tgt Ion: 63 Resp: 1142

Ion Ratio Lower Upper

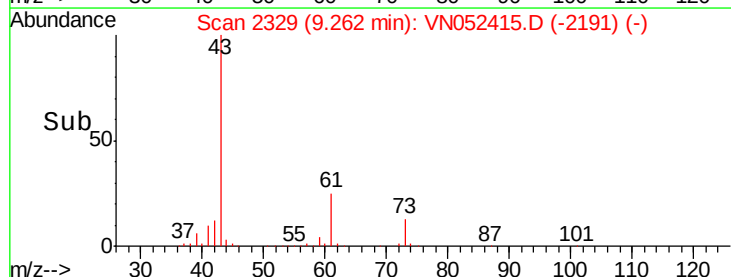
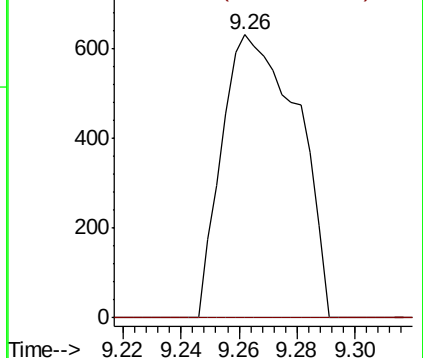
63 100

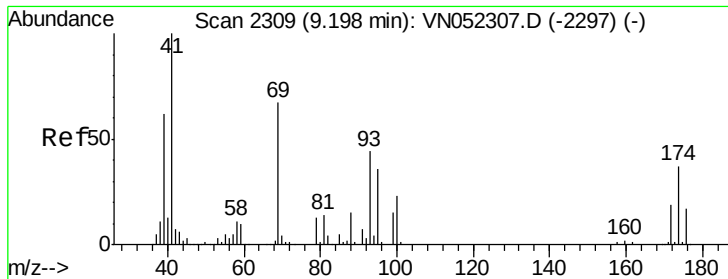
65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

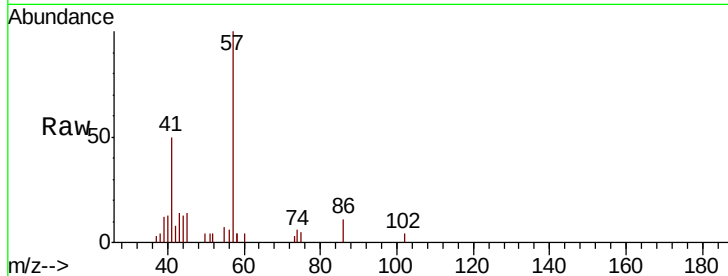




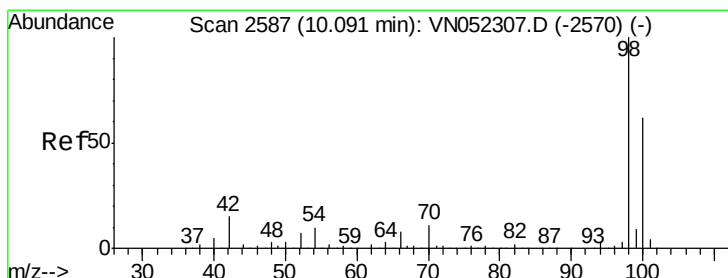
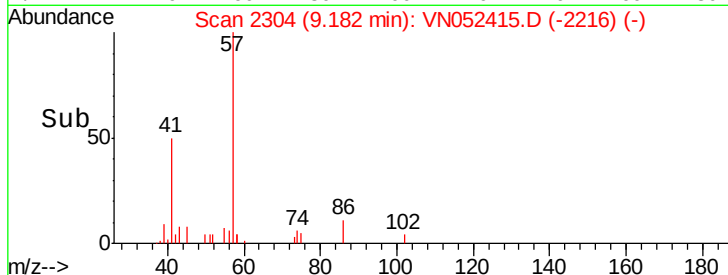
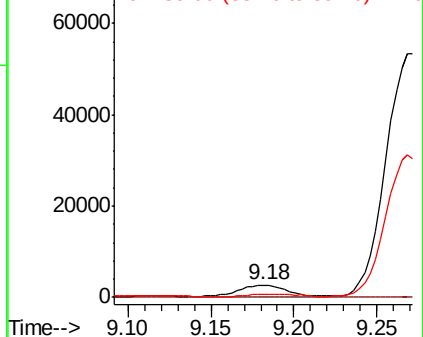
#48
Methvl methacrylate
Concen: 1.465 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 5162
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#

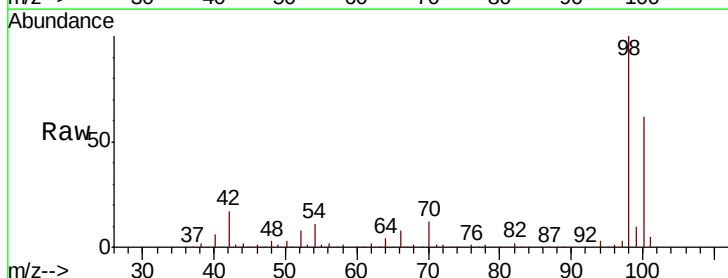


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

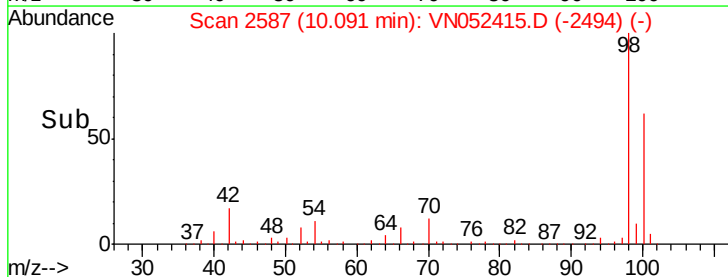
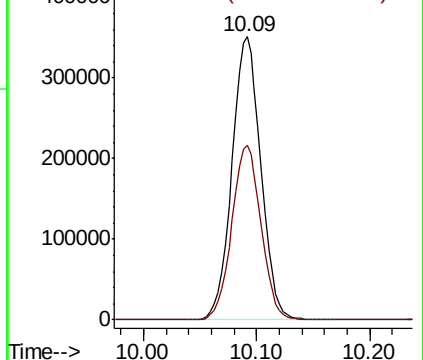


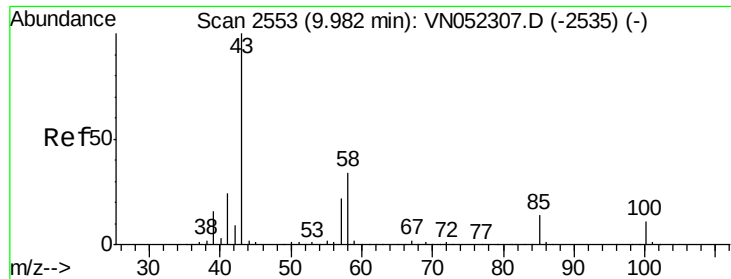
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Tgt Ion: 98 Resp: 622720
Ion Ratio Lower Upper
98 100
100 62.2 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.527 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

Instrument :

MSVOA_N

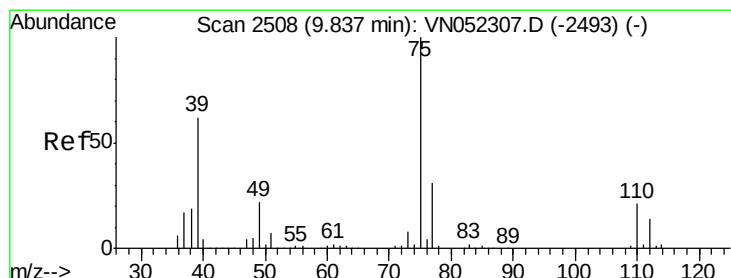
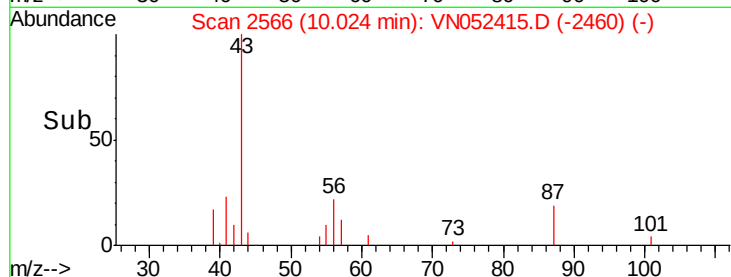
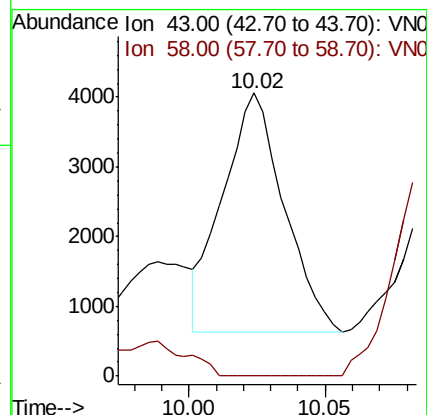
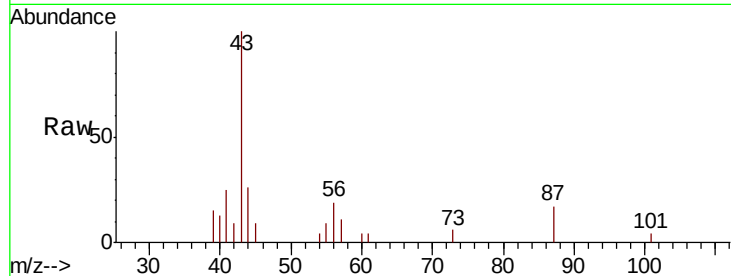
ClientSampled :

Tot Ion: 43 Resp: 5337

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 6.104 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

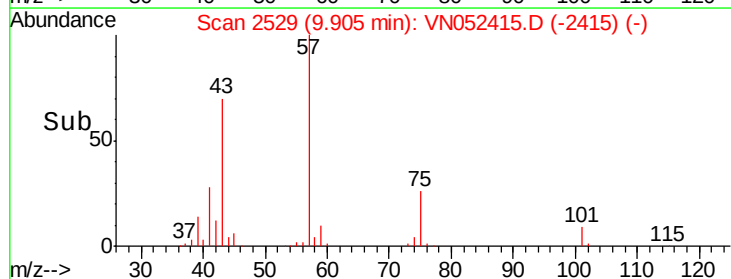
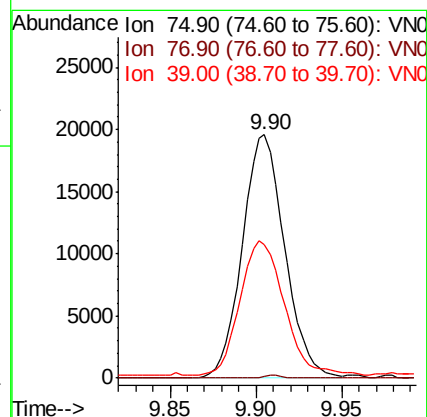
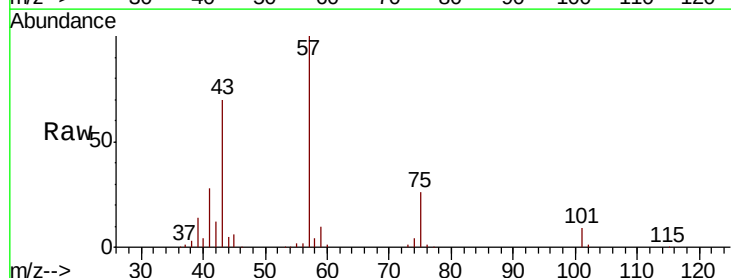
Tgt Ion: 75 Resp: 33518

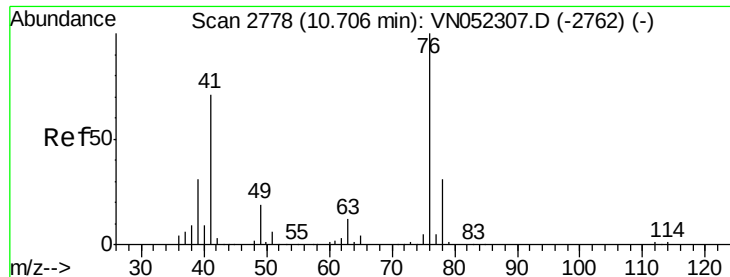
Ion Ratio Lower Upper

75 100

77 1.0 24.6 36.8#

39 53.7 49.9 74.9

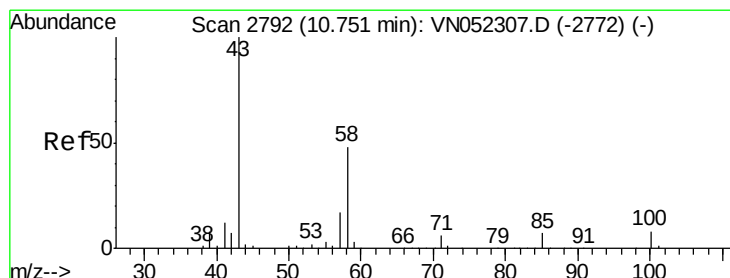
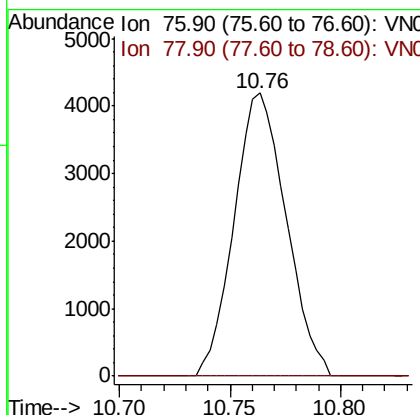
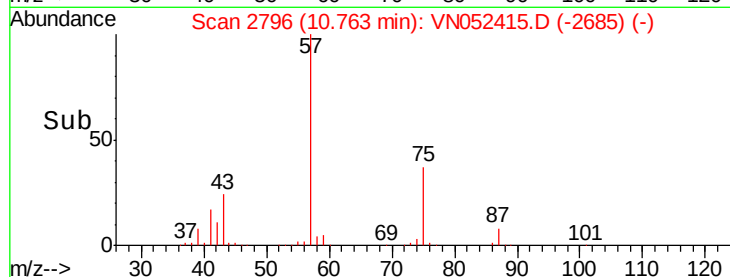
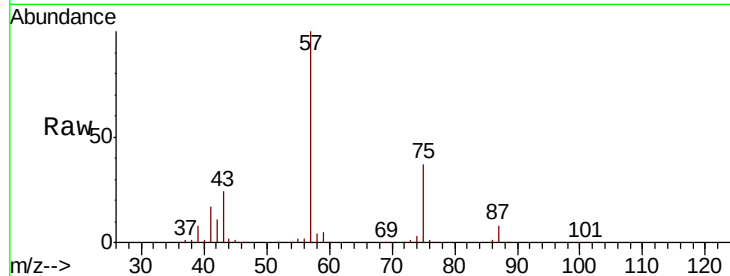




#57
 1,3-Dichloropropane
 Concen: 1.261 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

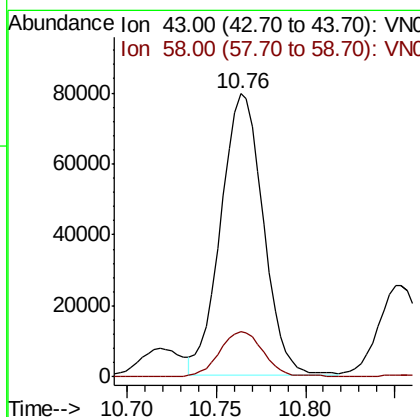
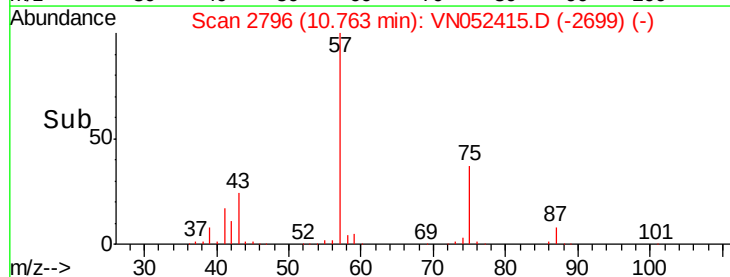
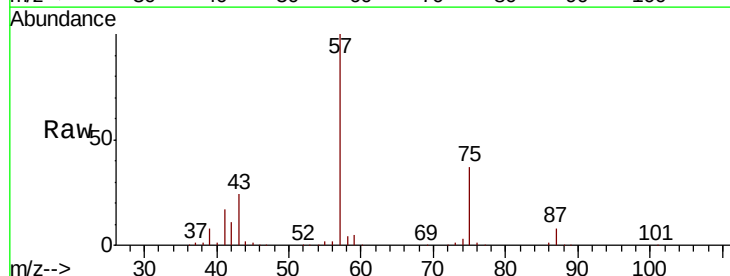
Instrument :
 MSVOA_N
 ClientSampled :

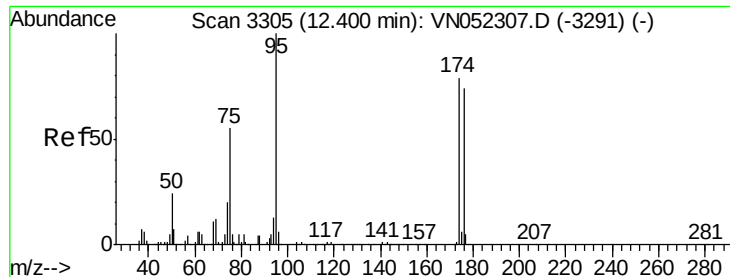
Tot Ion: 76 Resp: 6862
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 54.592 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

Tgt Ion: 43 Resp: 131266
 Ion Ratio Lower Upper
 43 100
 58 16.9 23.5 70.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

Instrument :

MSVOA_N

ClientSampled :

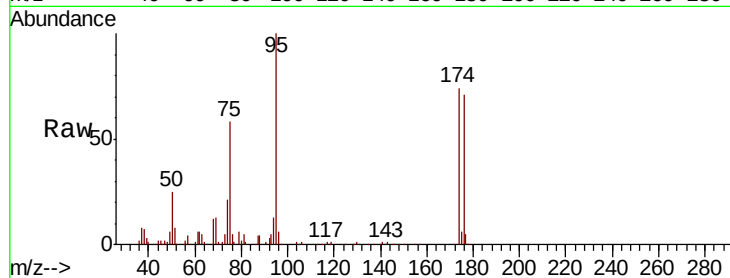
Tot Ion: 95 Resp: 185084

Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.0

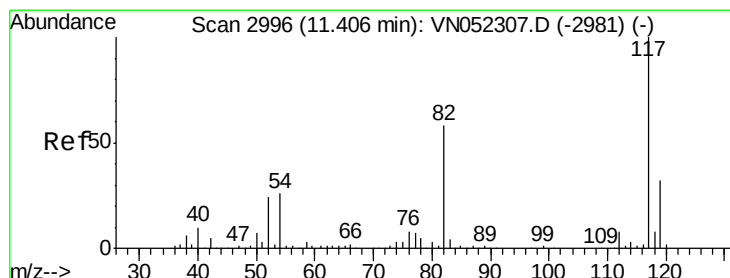
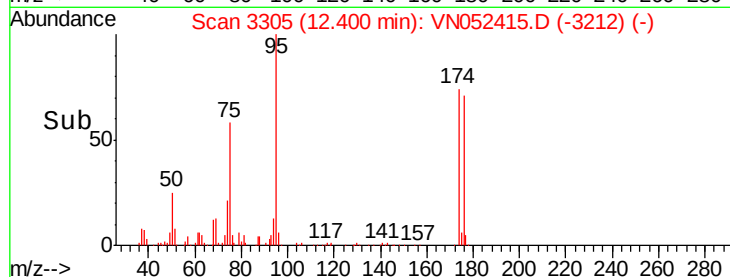
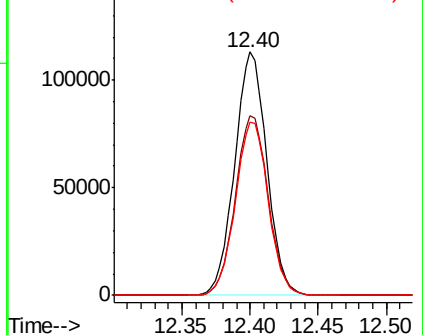
176 72.7 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

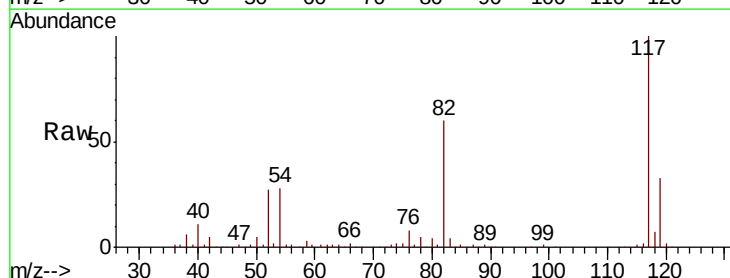
Tgt Ion: 117 Resp: 428988

Ion Ratio Lower Upper

117 100

82 60.1 46.5 69.7

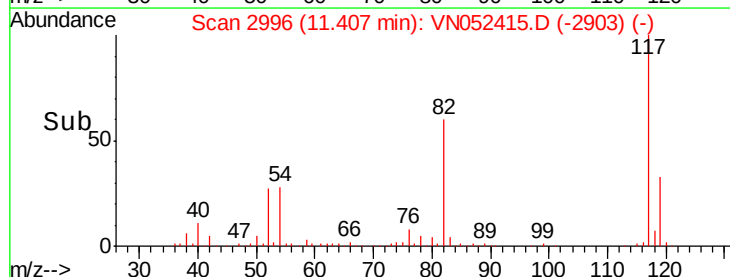
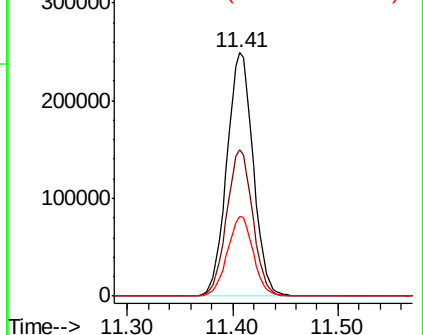
119 32.7 25.7 38.5

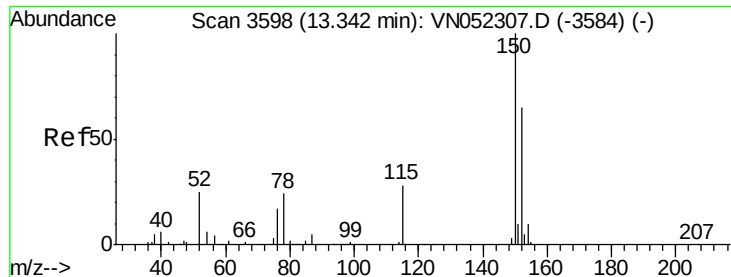


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0



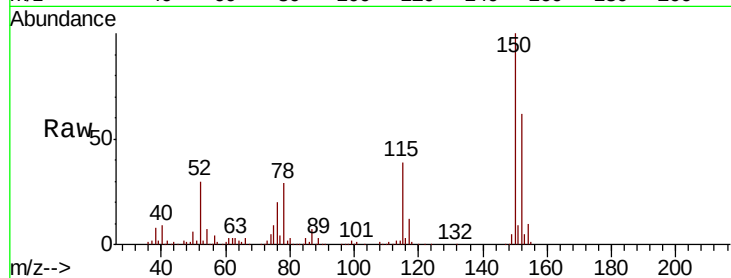


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.3	91.0
150	159.3	0.0	348.2

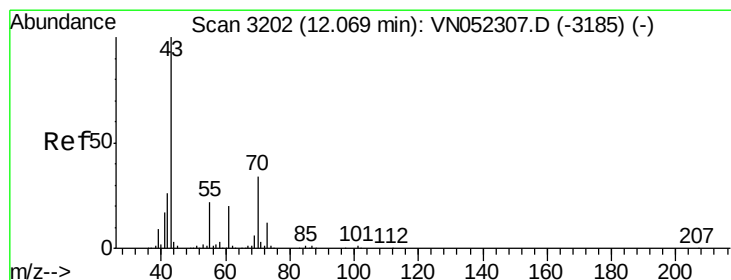
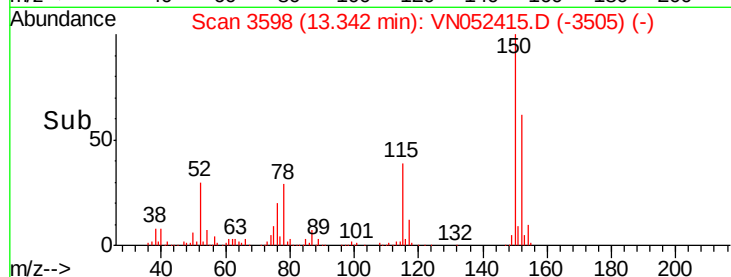
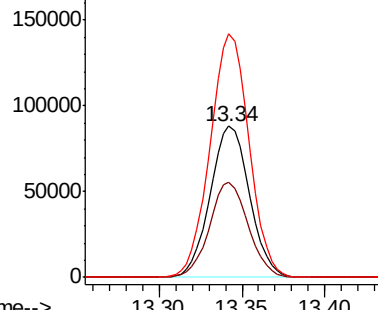


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

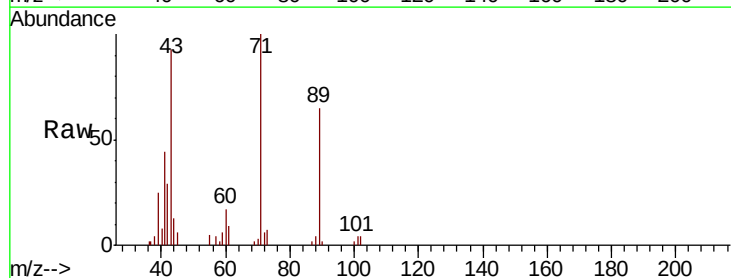
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 3.528 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052415.D
Acq: 20 Nov 2018 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	1.6	27.1	40.7#
55	0.0	17.4	26.0#
61	10.2	16.1	24.1#



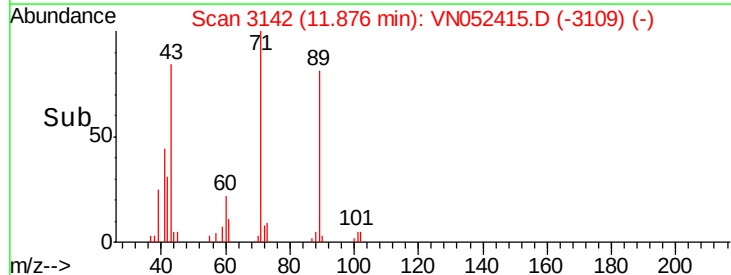
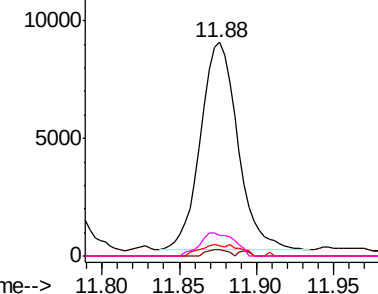
Abundance

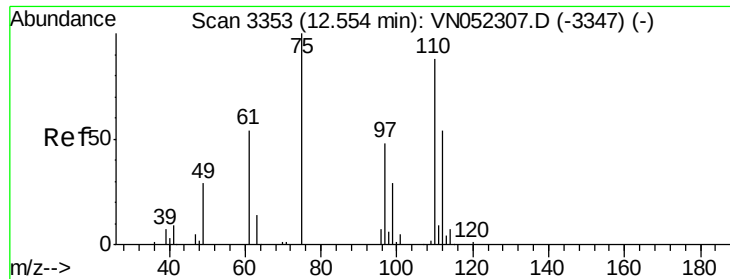
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

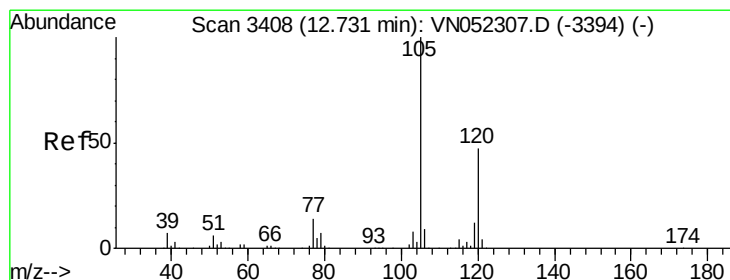
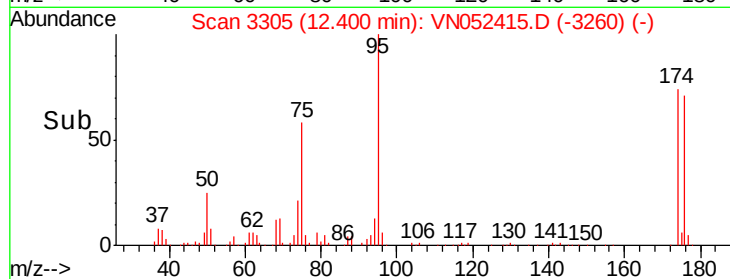
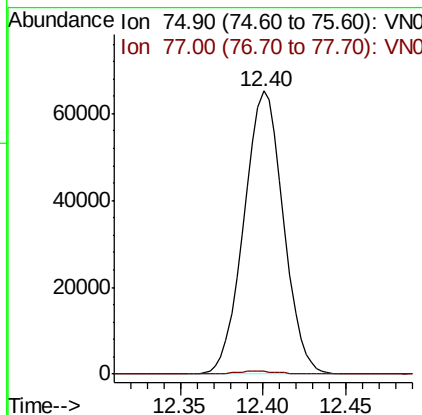
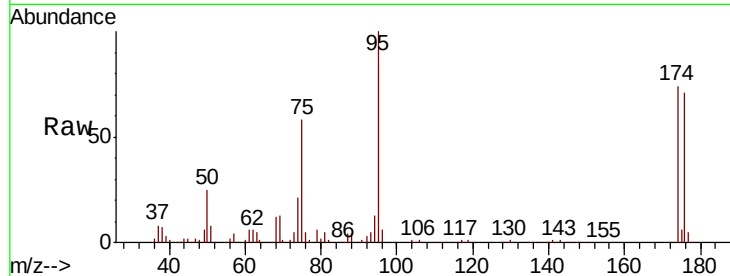




#76
 1,2,3-Trichloropropane
 Concen: 43.645 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

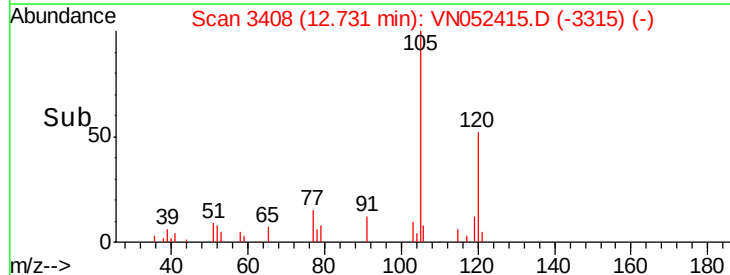
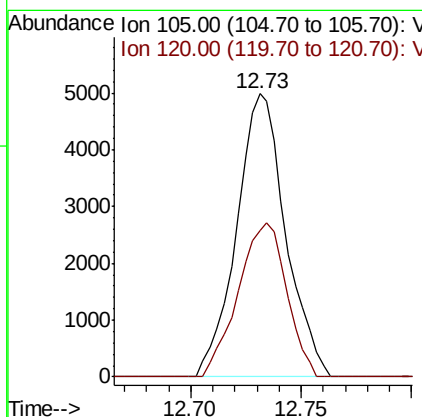
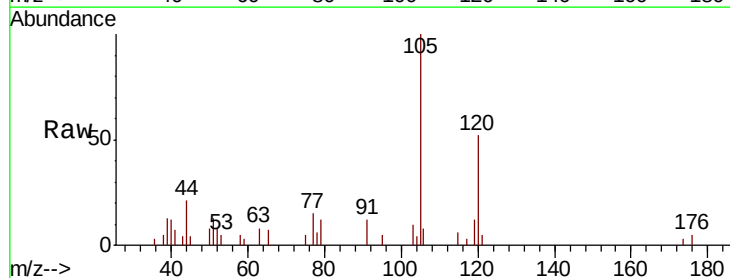
Instrument :
 MSVOA_N
 ClientSampleId :

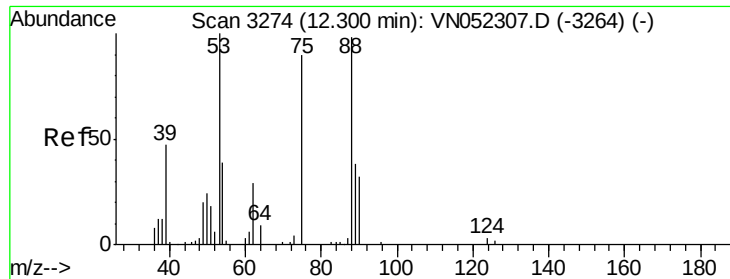
Tot Ion: 75 Resp: 107778
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.826 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052415.D
 Acq: 20 Nov 2018 18:39

Tgt Ion:105 Resp: 7686
 Ion Ratio Lower Upper
 105 100
 120 53.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 141.559 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052415.D

Acq: 20 Nov 2018 18:39

Instrument :

MSVOA_N

ClientSampleId :

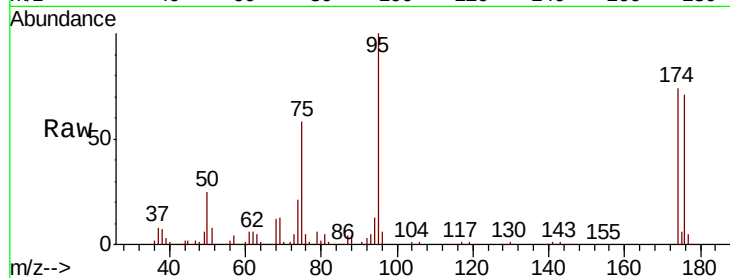
Tot Ion: 75 Resp: 107778

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

