

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058318.D
 Acq On : 24 Sep 2019 1:31
 Operator : JC/SP
 Sample : K5002-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520

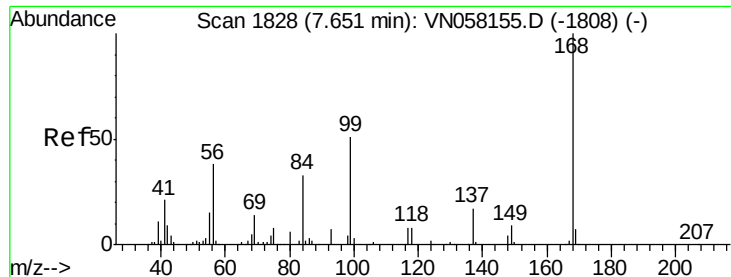
Quant Time: Sep 24 07:08:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	460043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	645025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258844	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	347217	54.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.38%	
35) Dibromofluoromethane	7.58	113	237620	51.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.72%	
50) Toluene-d8	10.09	98	953715	52.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.41	95	302714	45.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	433	Below Cal	#	66
4) Vinyl Chloride	2.17	62	2741	Below Cal		92
5) Bromomethane	2.55	94	70	0.763	ug/l #	4
6) Chloroethane	2.67	64	30	Below Cal	#	44
16) Acetone	3.81	43	2475	1.138	ug/l #	86
17) Carbon Disulfide	4.03	76	625	0.427	ug/l #	74
20) Methylene Chloride	4.53	84	61	Below Cal	#	3
24) 1,1-Dichloroethane	5.83	63	23536	2.853	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	1302	0.279	ug/l	77
31) Cyclohexane	7.64	56	11962	Below Cal	#	27
36) 1,1-Dichloropropene	7.65	75	40513	7.381	ug/l #	50
38) Carbon Tetrachloride	7.65	117	47918	8.685	ug/l #	15
41) Methacrylonitrile	6.99	41	71	0.935	ug/l #	100
43) Isopropyl Acetate	8.26	43	17335	1.630	ug/l #	57
51) 4-Methyl-2-Pentanone	9.98	43	1273	0.225	ug/l #	76
71) Bromoform	12.39	173	341	3.699	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	166092	35.854	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	166092	100.154	ug/l #	5

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

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ClientSampleId :

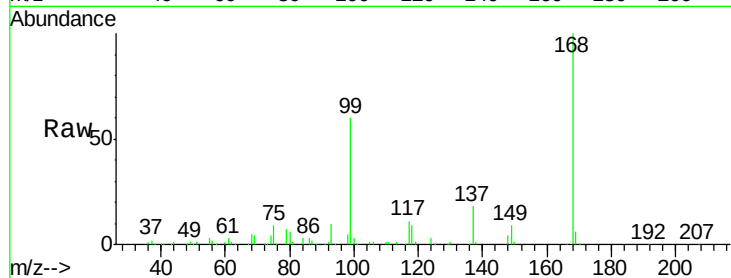
S49-0520

Tot Ion:168 Resp: 460043

Ion Ratio Lower Upper

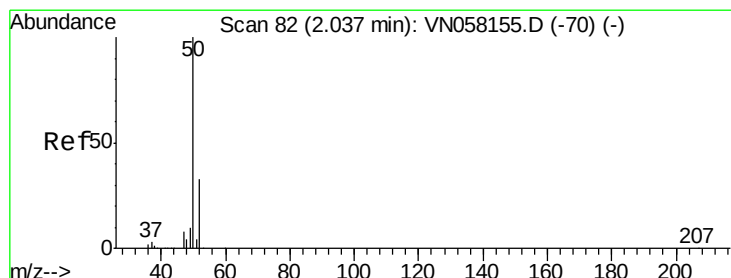
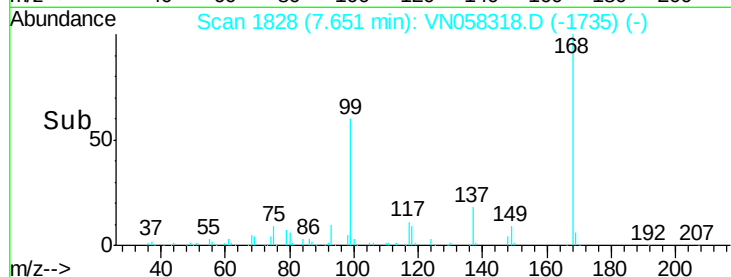
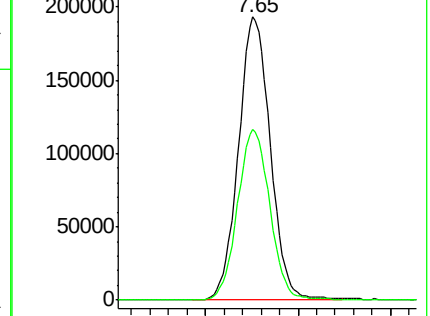
168 100

99 60.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058318.D

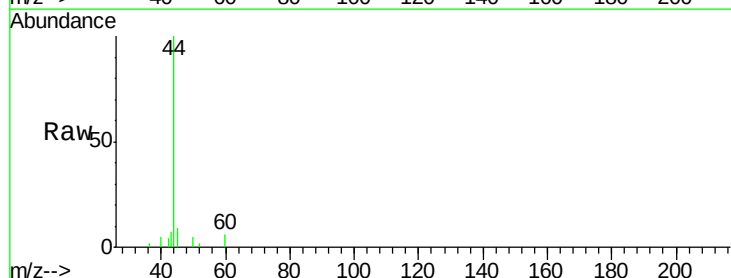
Acq: 24 Sep 2019 1:31

Tgt Ion: 50 Resp: 433

Ion Ratio Lower Upper

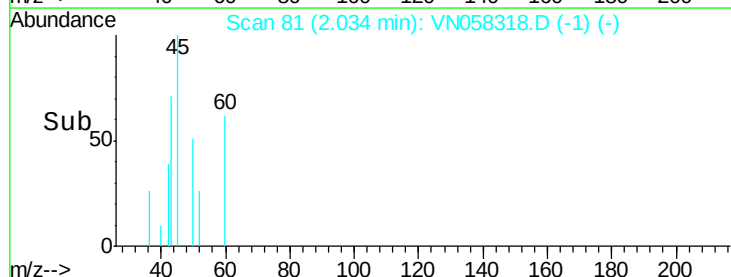
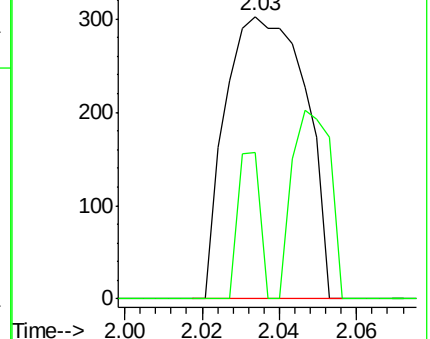
50 100

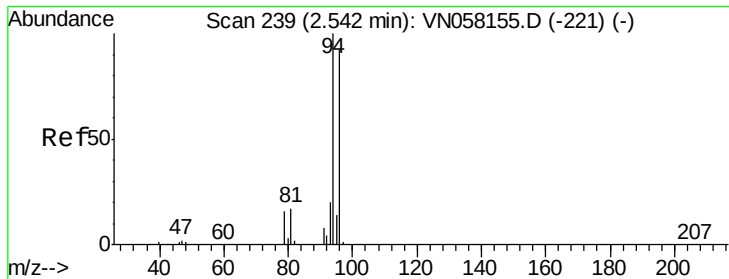
52 51.8 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.763 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

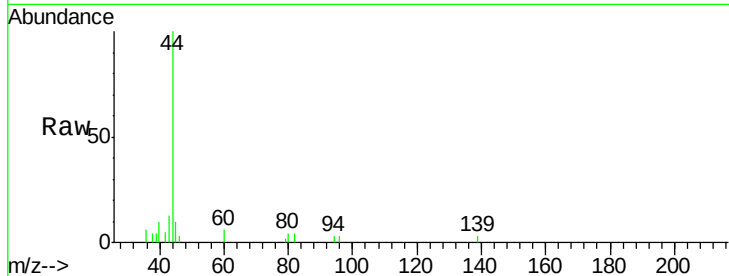
S49-0520

Tot Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250

200

150

100

50

0

2.54

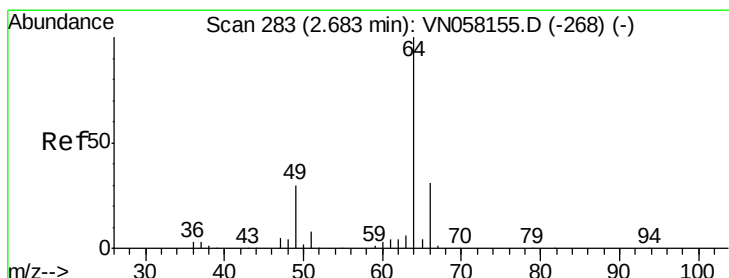
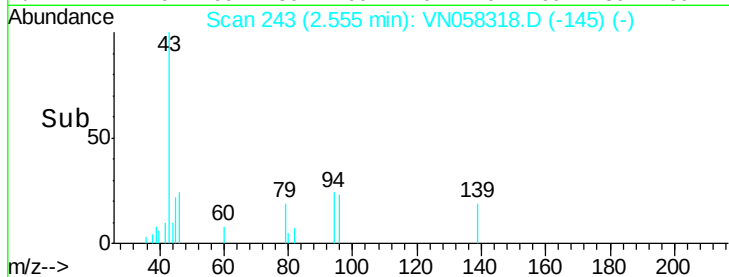
2.55

2.56

2.57

2.58

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058318.D

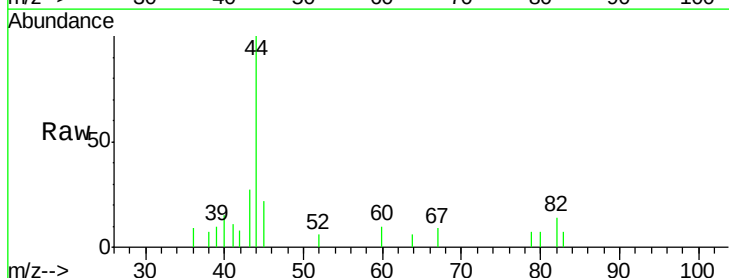
Acq: 24 Sep 2019 1:31

Tgt Ion: 64 Resp: 30

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150

100

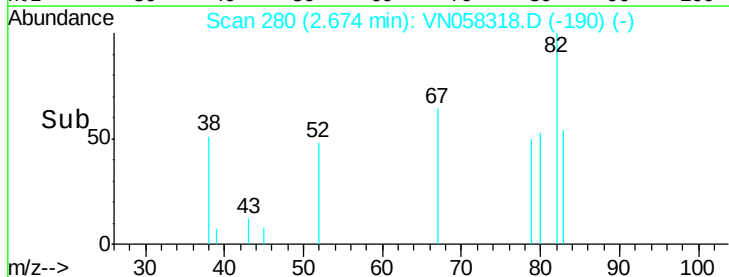
50

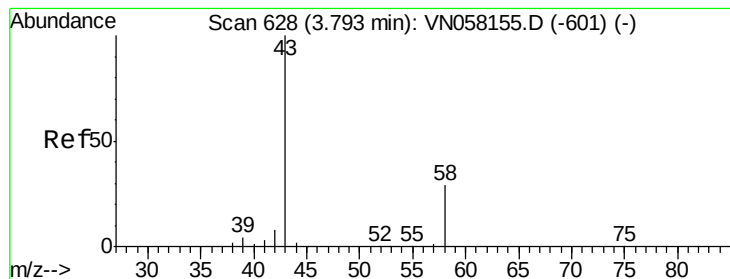
0

2.67

2.68

Time-->





#16

Acetone

Concen: 1.138 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

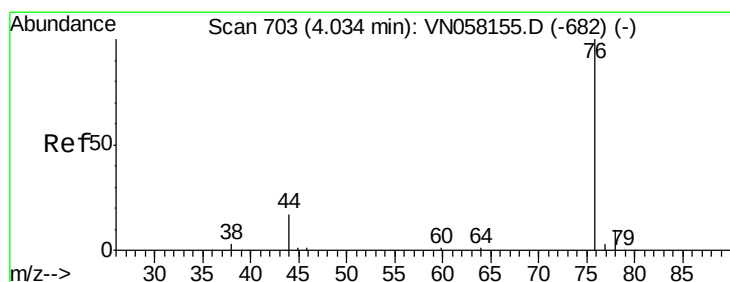
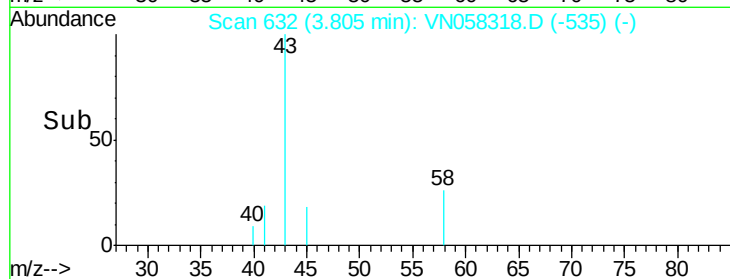
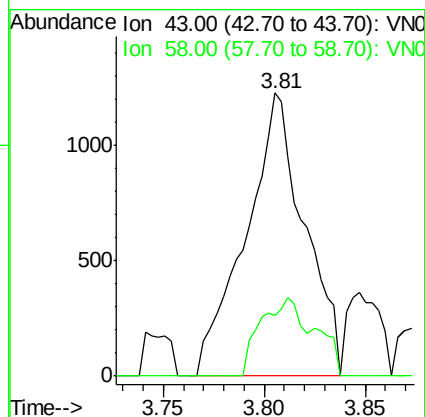
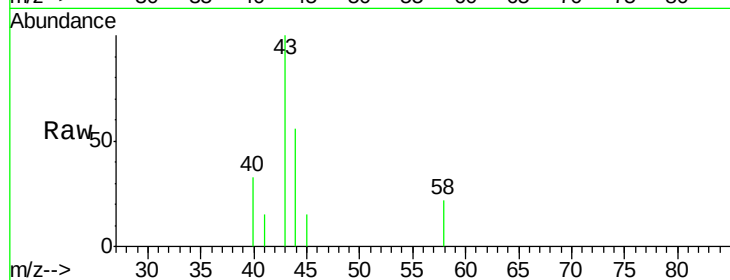
S49-0520

Tot Ion: 43 Resp: 2475

Ion Ratio Lower Upper

43 100

58 21.6 23.4 35.2#



#17

Carbon Disulfide

Concen: 0.427 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058318.D

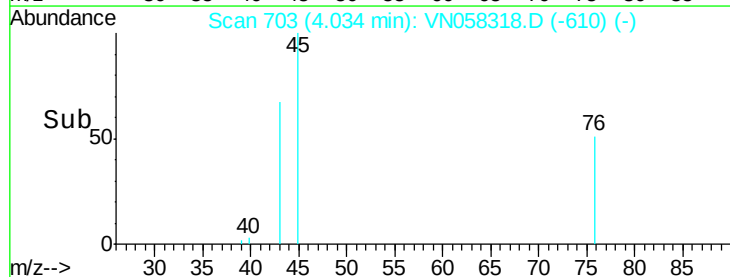
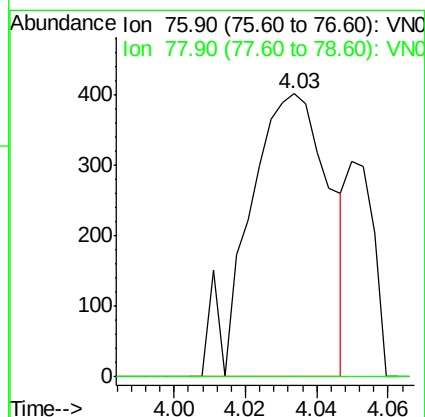
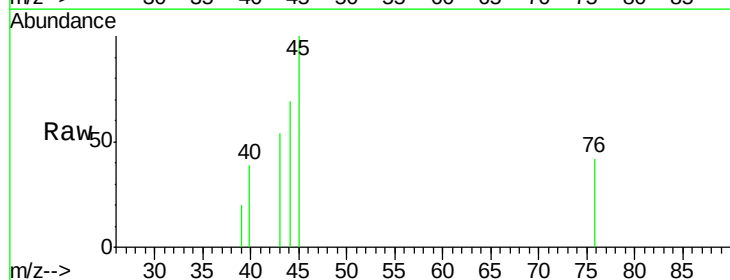
Acq: 24 Sep 2019 1:31

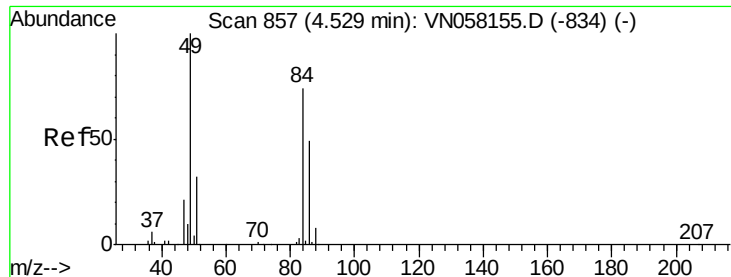
Tgt Ion: 76 Resp: 625

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

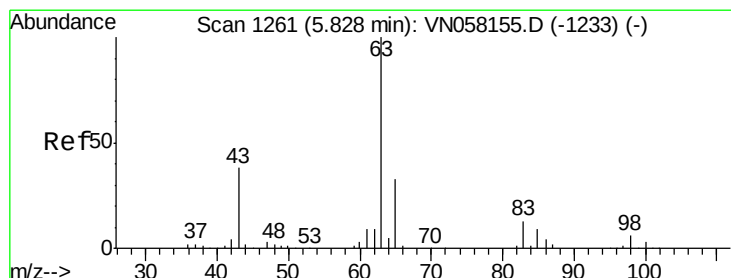
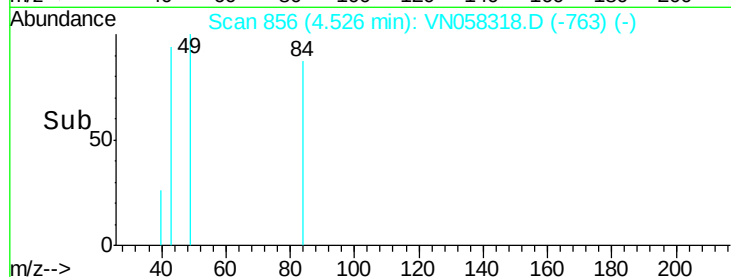
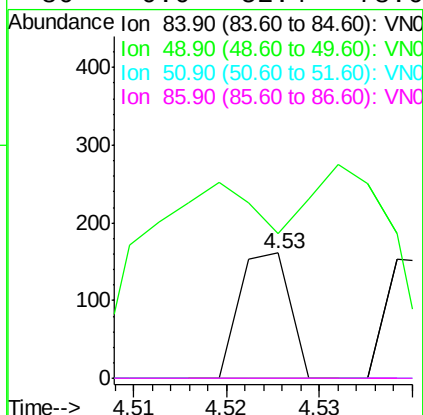
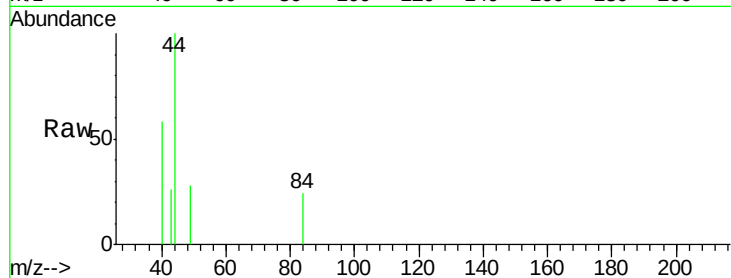




#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

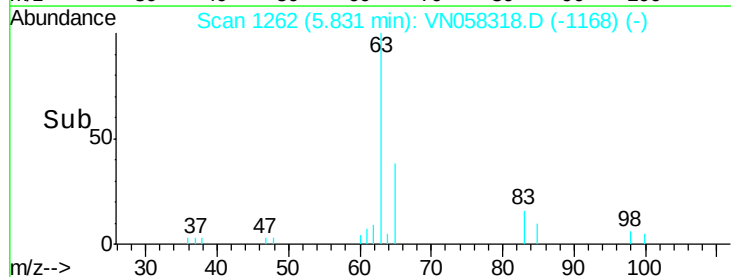
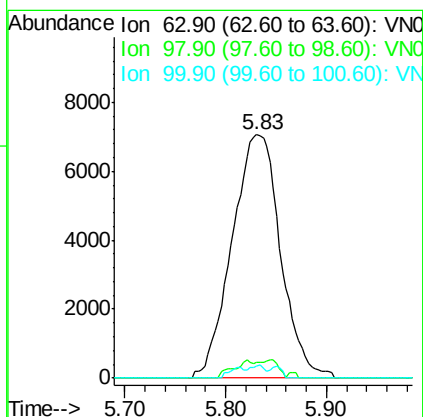
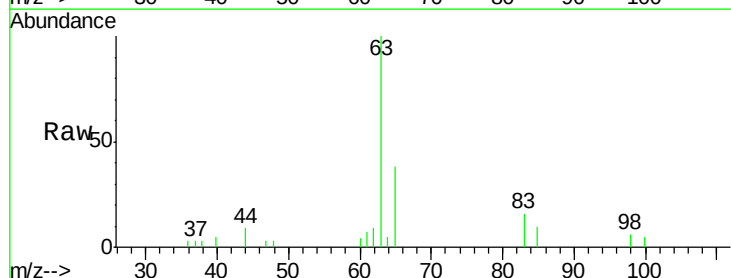
Instrument :
MSVOA_N
ClientSampled :
S49-0520

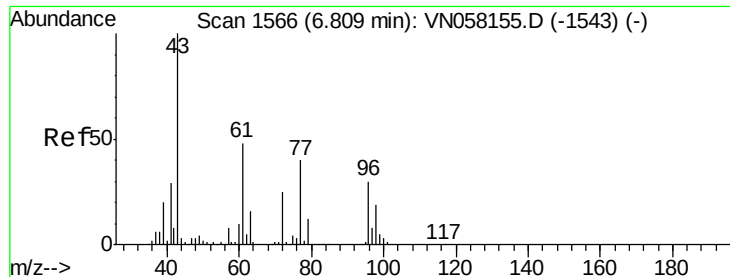
Tot Ion: 84 Resp: 61
Ion Ratio Lower Upper
84 100
49 0.0 107.5 161.3#
51 0.0 33.9 50.9#
86 0.0 52.4 78.6#



#24
1,1-Dichloroethane
Concen: 2.853 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

Tgt Ion: 63 Resp: 23536
Ion Ratio Lower Upper
63 100
98 6.3 2.9 8.6
100 5.1 1.8 5.3

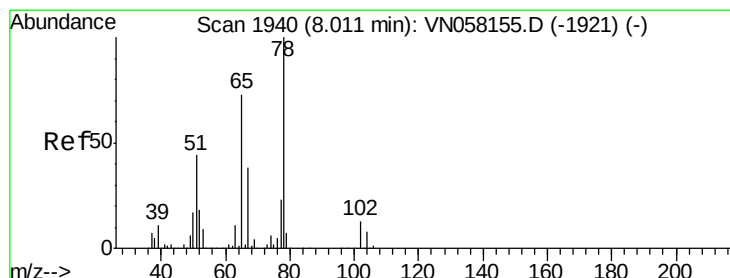
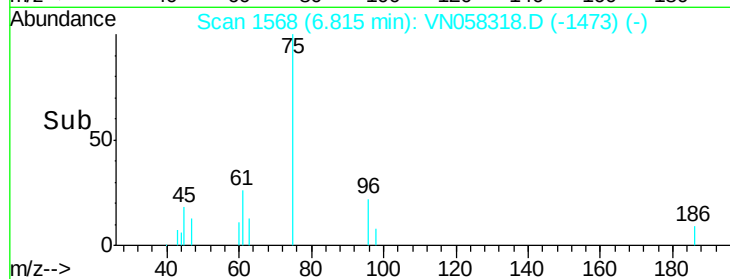
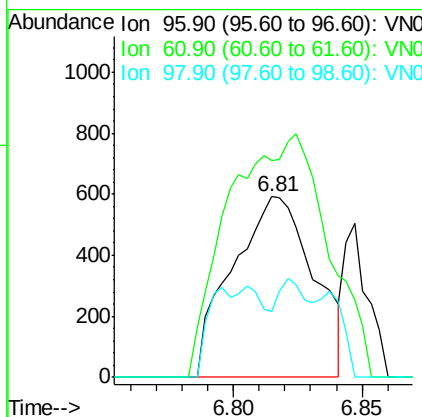
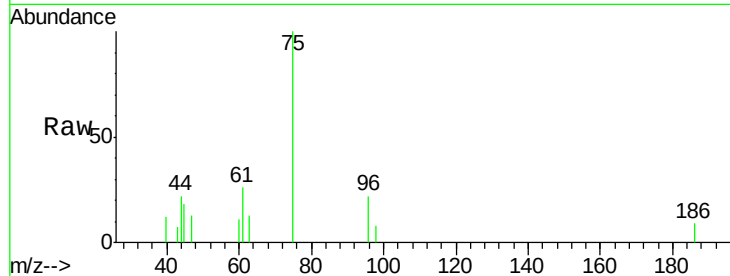




#27
 cis-1,2-Dichloroethene
 Concen: 0.279 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN058318.D
 Acq: 24 Sep 2019 1:31

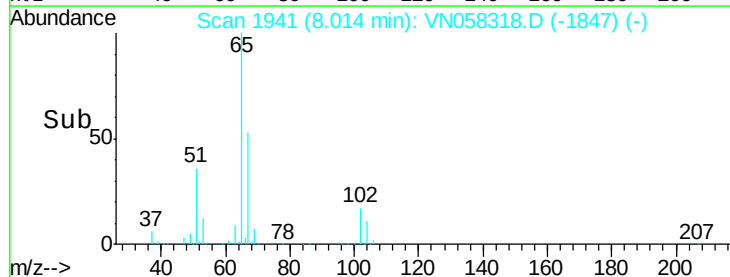
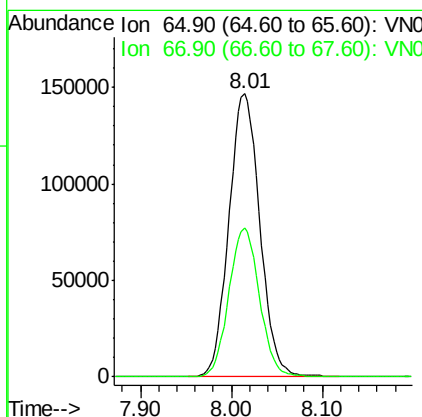
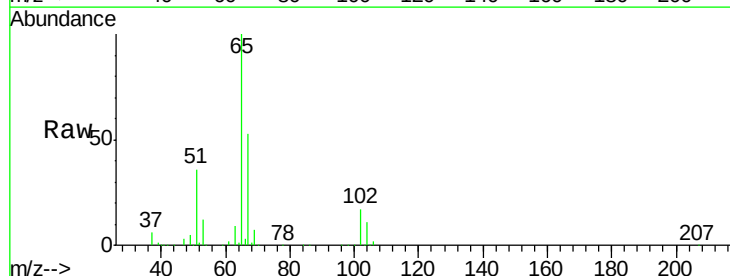
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520

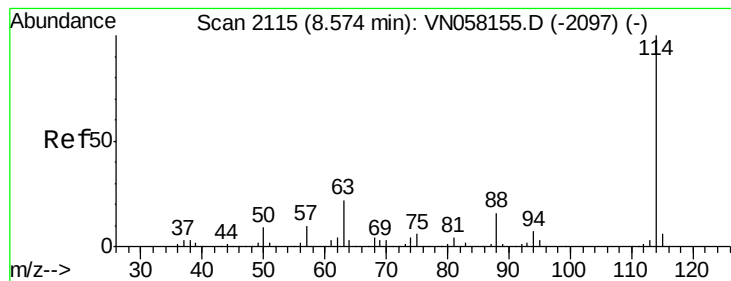
Tot Ion: 96 Resp: 1302
 Ion Ratio Lower Upper
 96 100
 61 164.1 0.0 319.0
 98 6.9 0.0 126.6



#33
 1,2-Dichloroethane-d4
 Concen: 54.189 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058318.D
 Acq: 24 Sep 2019 1:31

Tgt Ion: 65 Resp: 347217
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Instrument :

MSVOA_N

ClientSampleId :

S49-0520

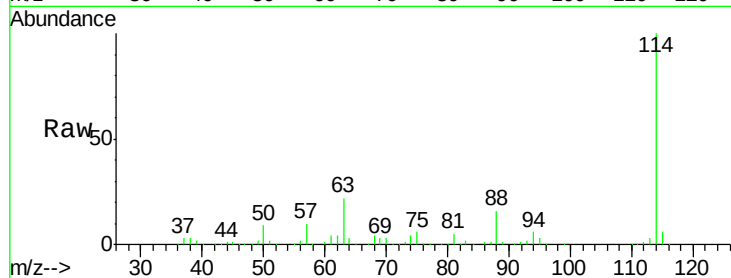
Tot Ion:114 Resp: 761073

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

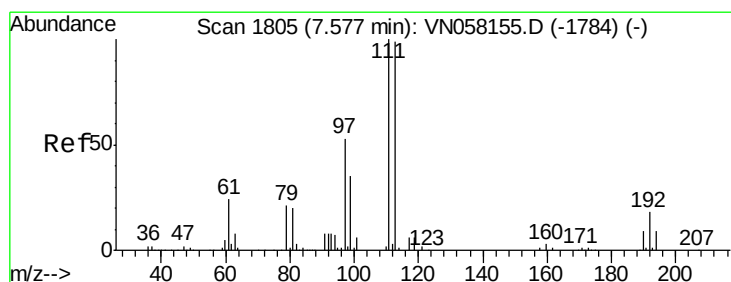
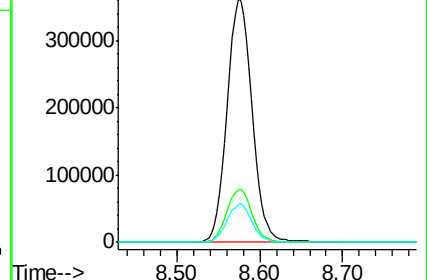
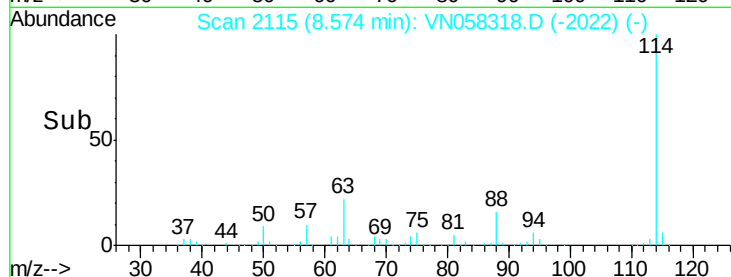
88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

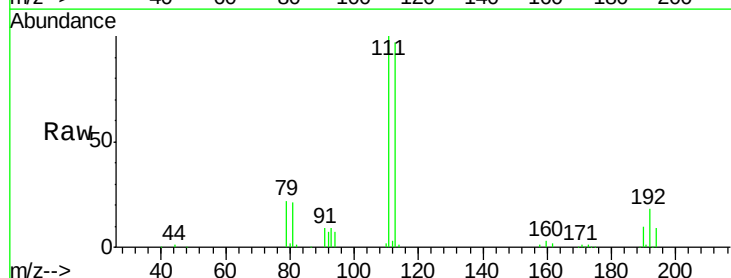
Tgt Ion:113 Resp: 237620

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

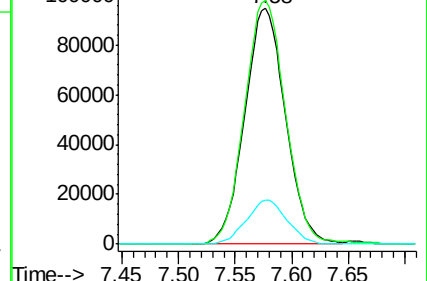
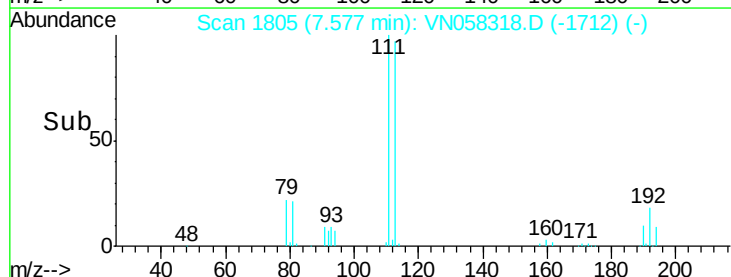
192 18.7 14.5 21.7

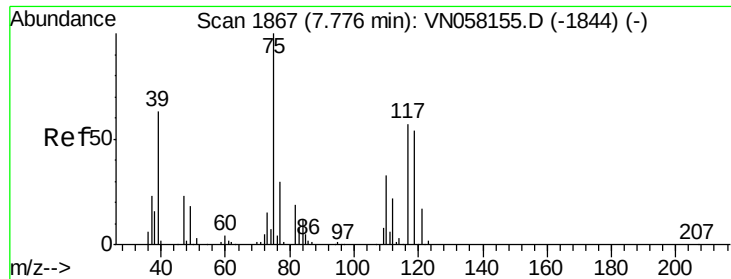


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

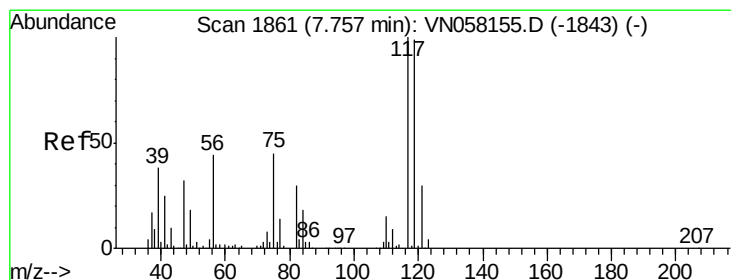
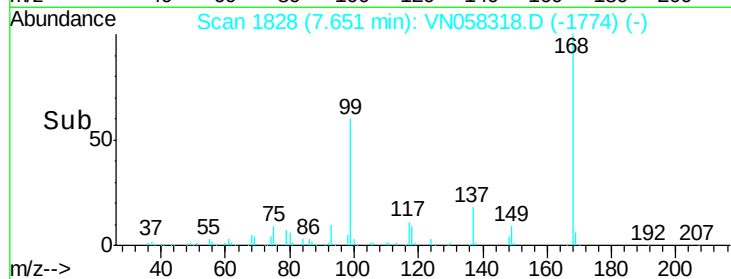
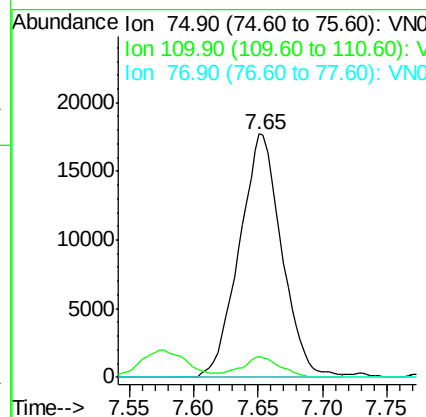
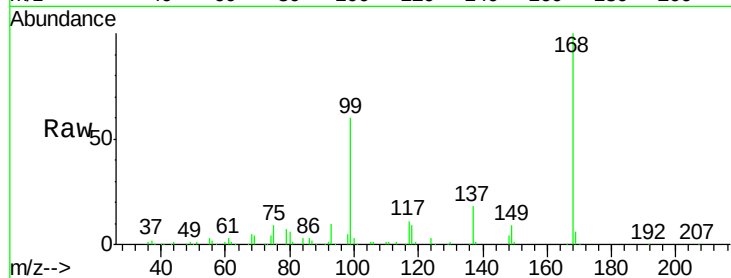




#36
 1,1-Dichloropropene
 Concen: 7.381 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058318.D
 Acq: 24 Sep 2019 1:31

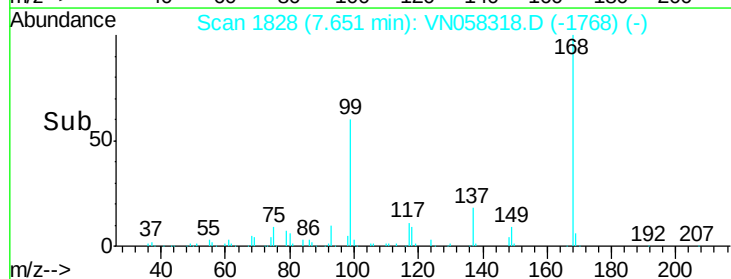
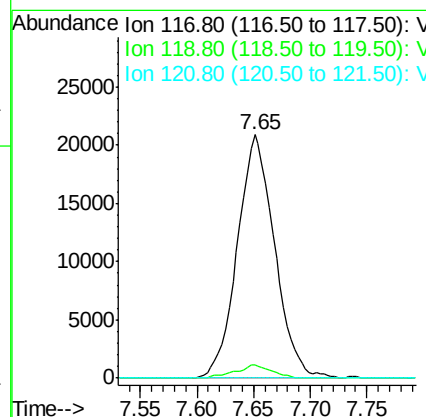
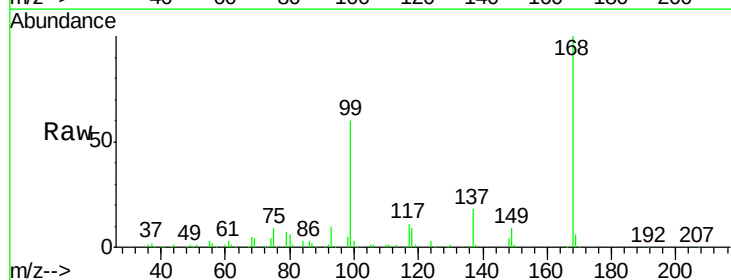
Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520

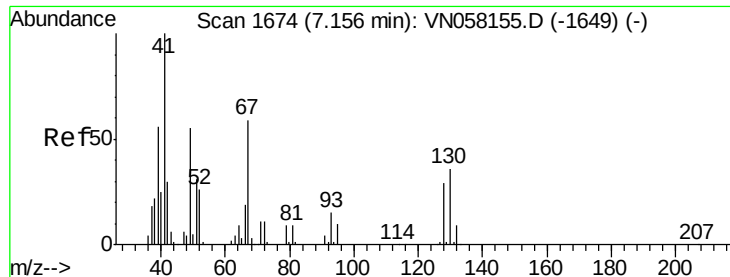
Tot Ion	75	Resp	40513
Ion Ratio	Lower	Upper	
75	100		
110	7.6	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.685 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058318.D
 Acq: 24 Sep 2019 1:31

Tgt Ion	117	Resp	47918
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.4	78.6	117.8#
121	0.0	24.1	36.1#

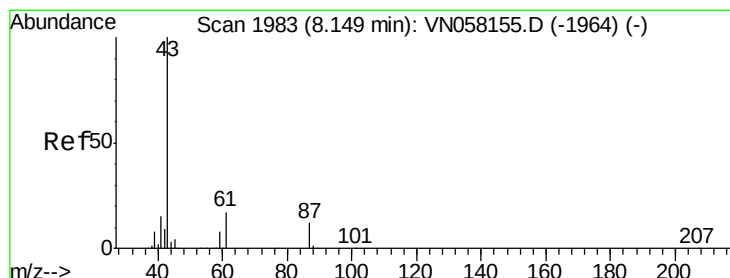
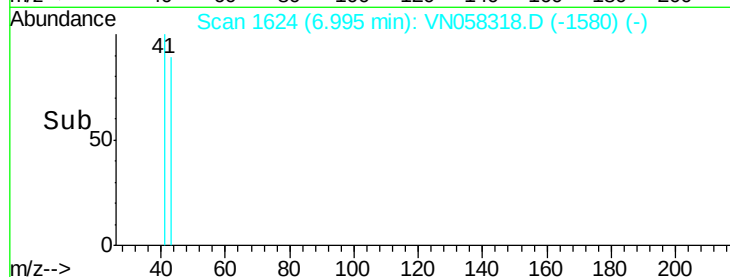
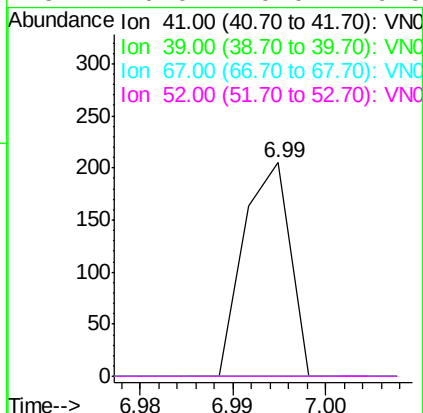
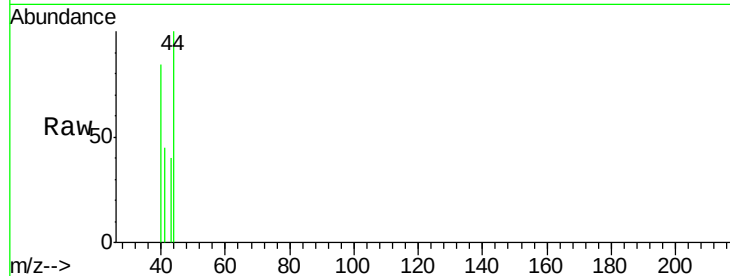




#41
Methacrylonitrile
Concen: 0.935 ug/l
RT: 6.99 min Scan# 1624
Delta R.T. -0.16 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

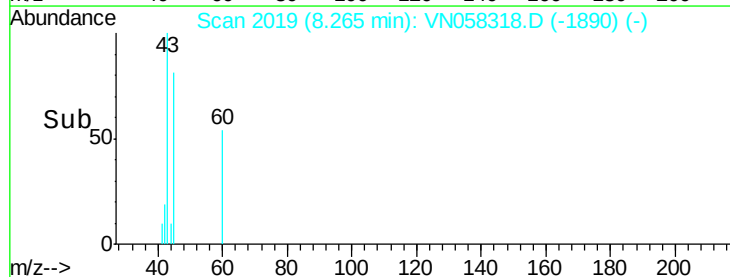
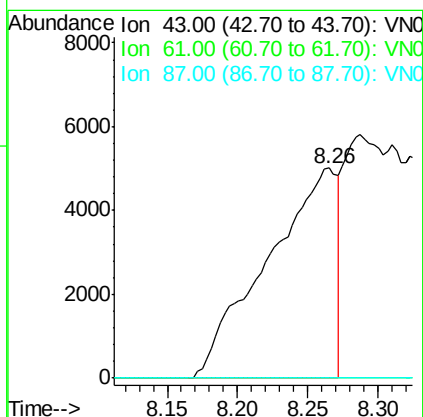
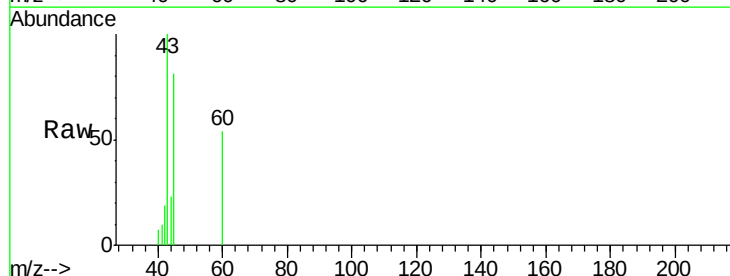
Instrument :
MSVOA_N
ClientSampled :
S49-0520

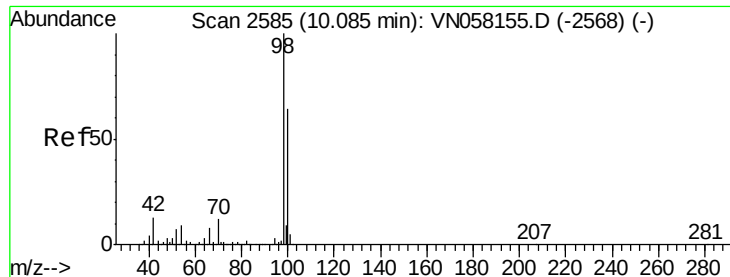
Tot Ion:	41	Resp:	71
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 1.630 ug/l
RT: 8.26 min Scan# 2019
Delta R.T. 0.12 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

Tgt Ion:	43	Resp:	17335
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#

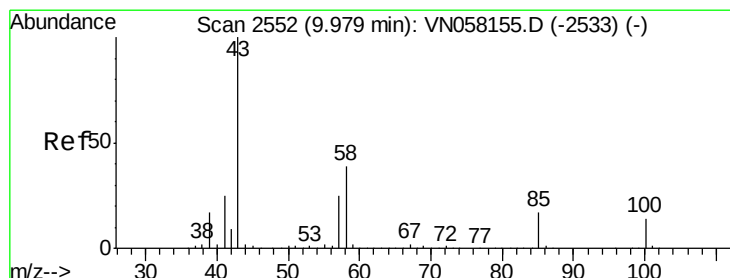
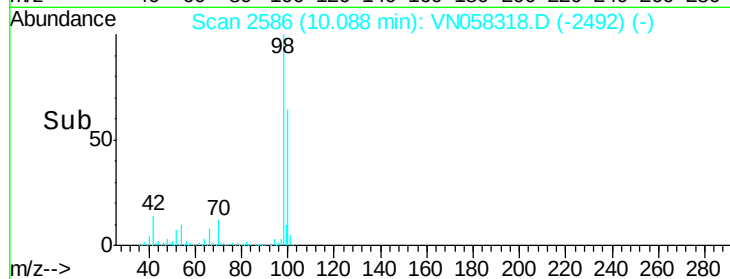
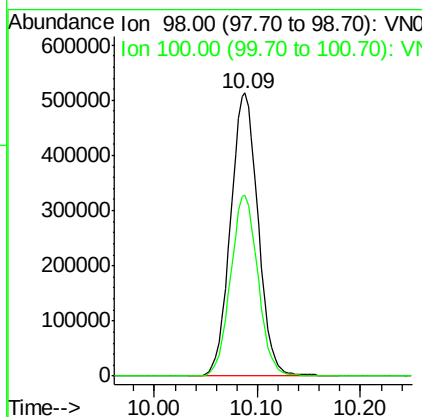
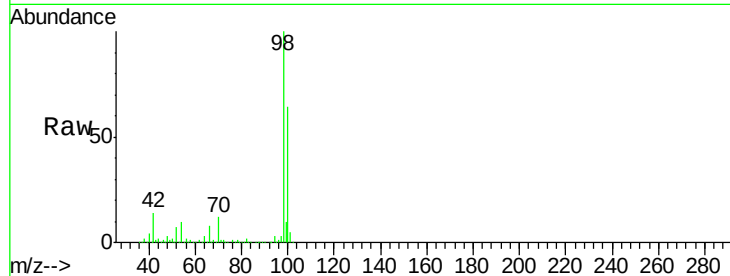




#50
Toluene-d8
Concen: 52.906 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

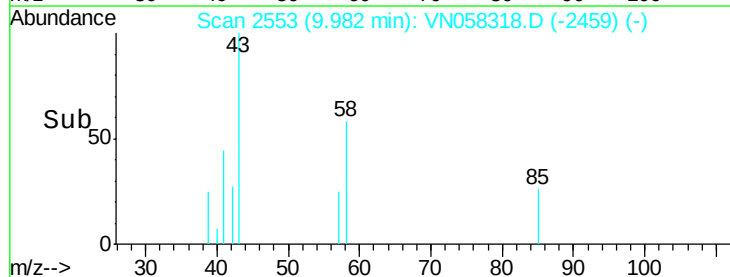
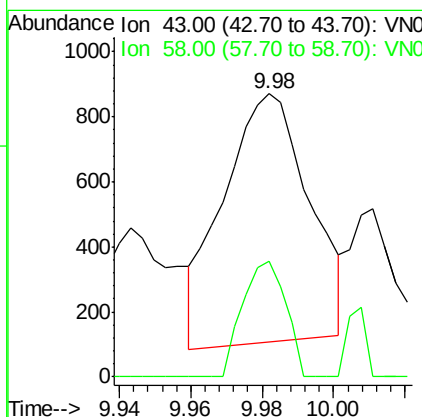
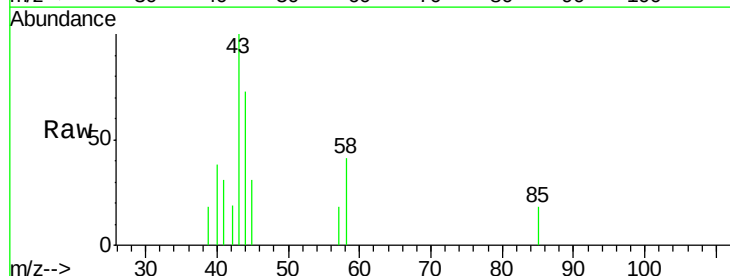
Instrument :
MSVOA_N
ClientSampled :
S49-0520

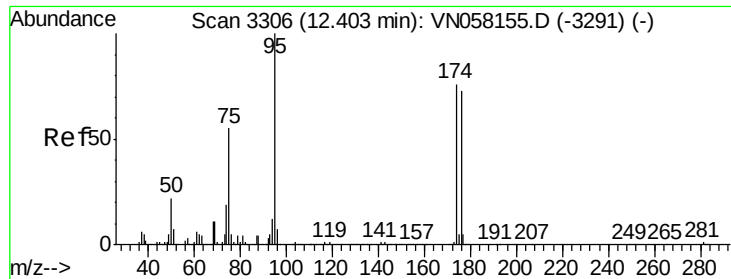
Tot Ion: 98 Resp: 953715
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 23.4 30.2 45.4#

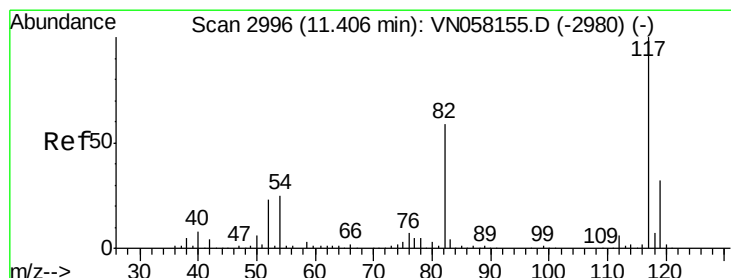
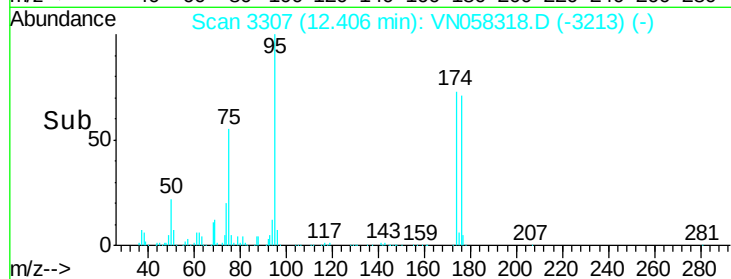
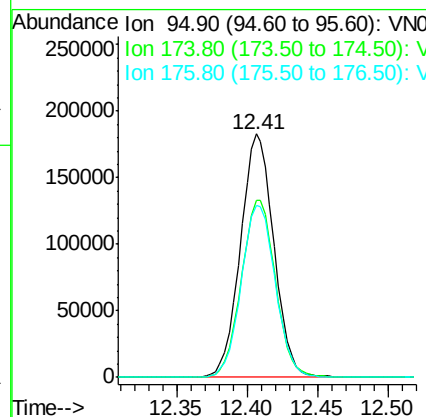
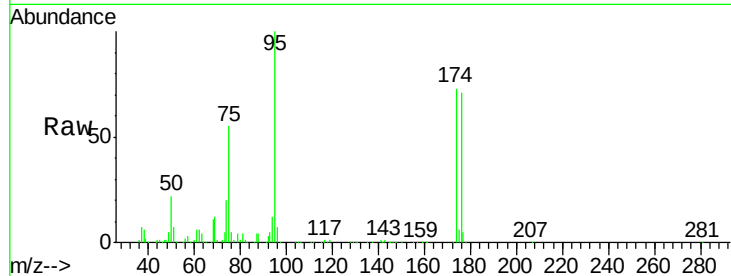




#62
4-Bromofluorobenzene
Concen: 45.207 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

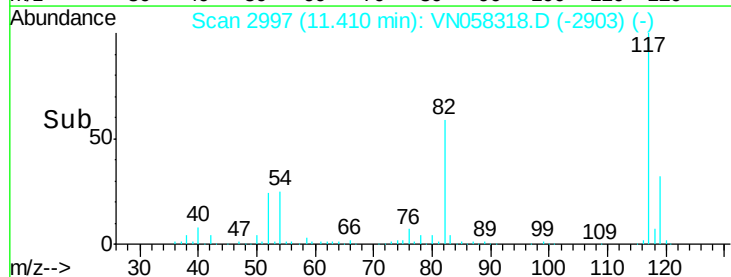
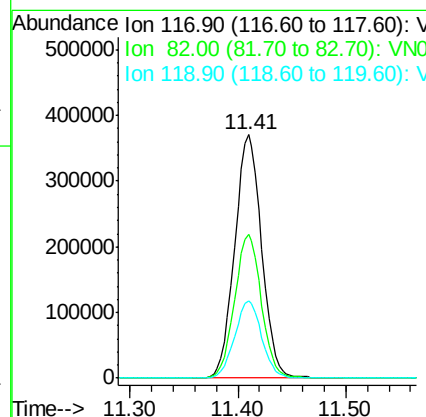
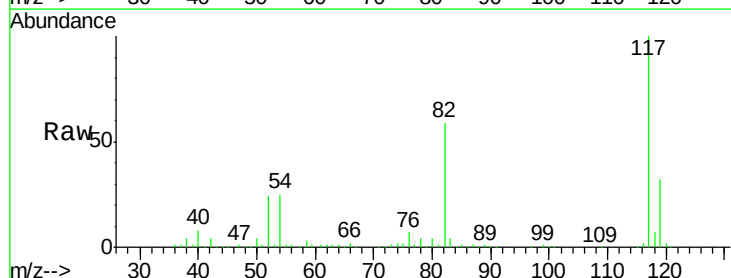
Instrument :
MSVOA_N
ClientSampled :
S49-0520

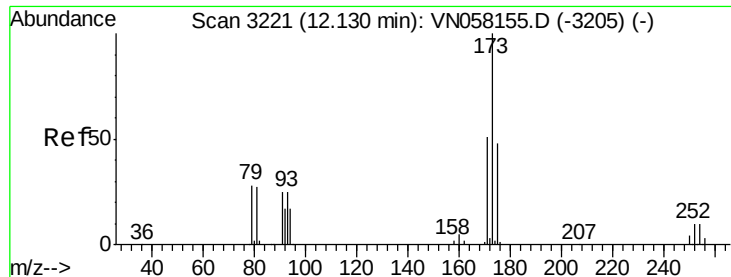
Tot Ion: 95 Resp: 302714
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.2
176 72.6 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058318.D
Acq: 24 Sep 2019 1:31

Tgt Ion: 117 Resp: 645025
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 31.9 25.3 37.9





#71

Bromoform

Concen: 3.699 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

S49-0520

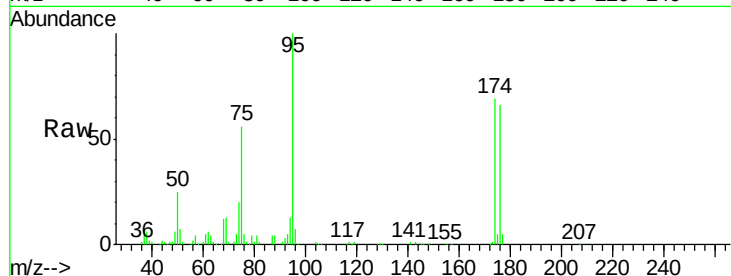
Tot Ion:173 Resp: 341

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

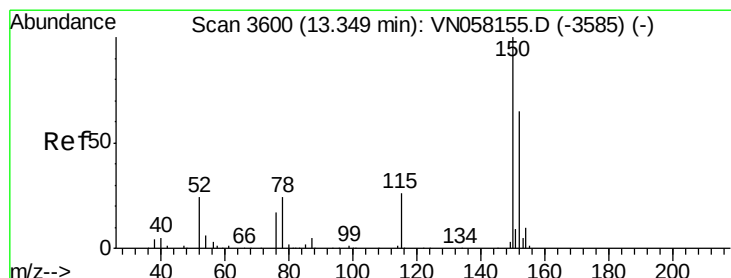
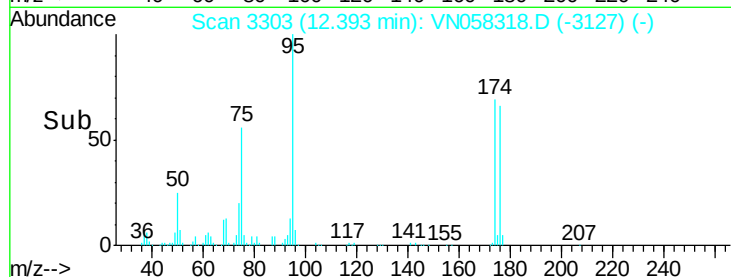
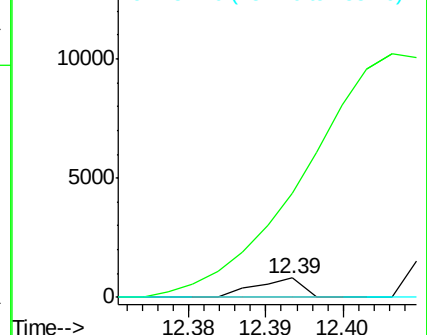
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

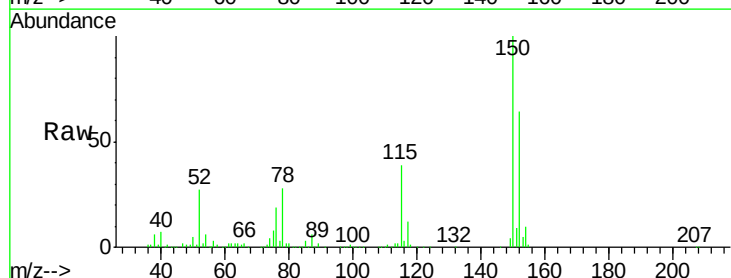
Tgt Ion:152 Resp: 258844

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

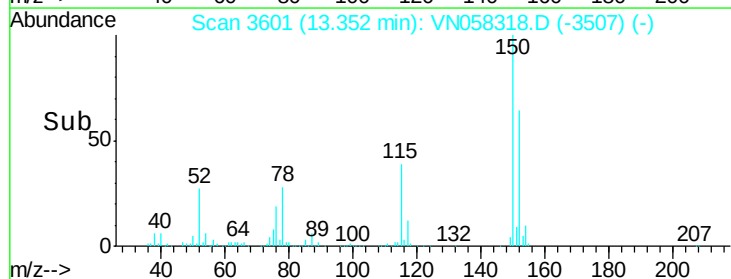
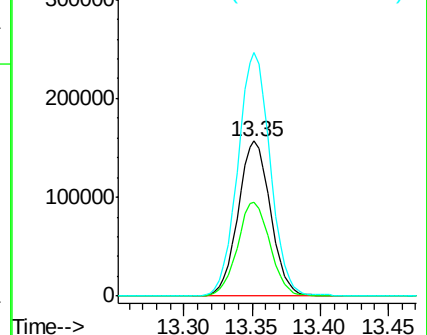
150 157.0 0.0 346.4

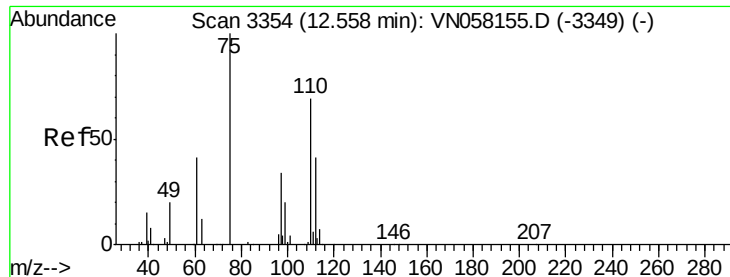


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.854 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Instrument :

MSVOA_N

ClientSampled :

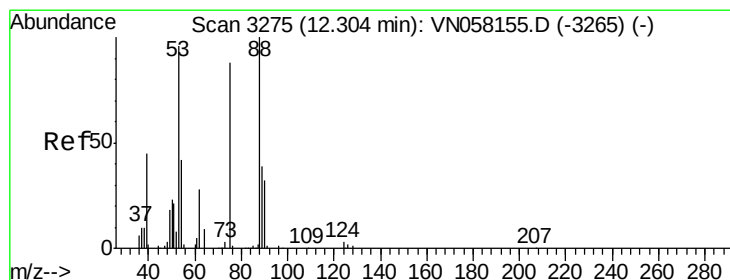
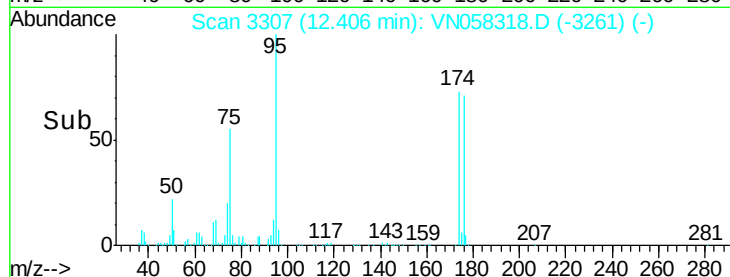
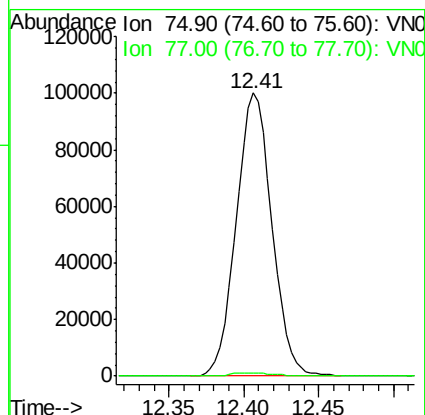
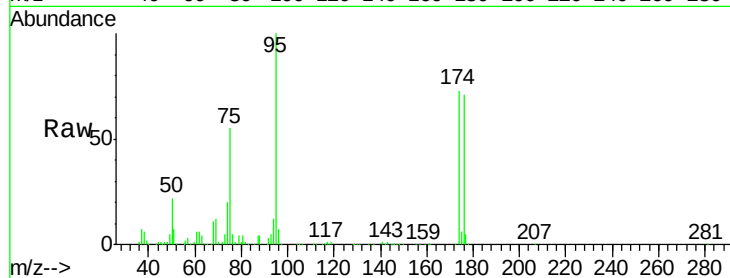
S49-0520

Tot Ion: 75 Resp: 166092

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.154 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058318.D

Acq: 24 Sep 2019 1:31

Tgt Ion: 75 Resp: 166092

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.2 54.2#

