

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110119\
 Data File : VN059064.D
 Acq On : 1 Nov 2019 15:58
 Operator : JC/SP
 Sample : PB124481TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

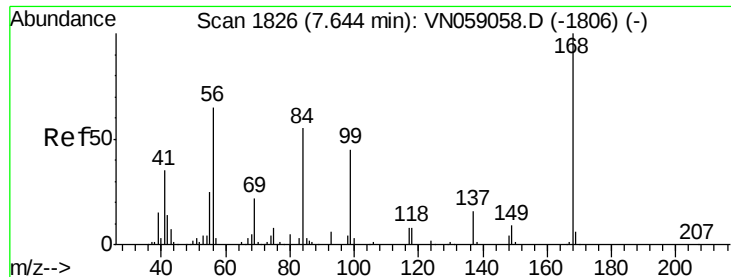
Quant Time: Nov 02 06:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	678123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	577908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	203035	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	287391	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	7.57	113	214899	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.08	98	823115	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	255309	41.70	ug/l	0.00
Spiked Amount			Recovery	=	83.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	7098	2.416	ug/l	90
20) Methylene Chloride	4.52	84	8401	1.634	ug/l	89
25) 2-Butanone	6.83	43	964	0.246	ug/l #	50
31) Cyclohexane	7.64	56	9059	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34853	5.171	ug/l #	51
38) Carbon Tetrachloride	7.65	117	41952	6.387	ug/l #	15
71) Bromoform	12.40	173	1363	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	128810	26.810	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128810	68.727	ug/l #	14
91) 1,2-Dichlorobenzene	13.66	146	2422	0.367	ug/l	97
95) Naphthalene	15.13	128	2863	3.228	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.30	180	863	0.238	ug/l	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059064.D

Acq: 1 Nov 2019 15:58

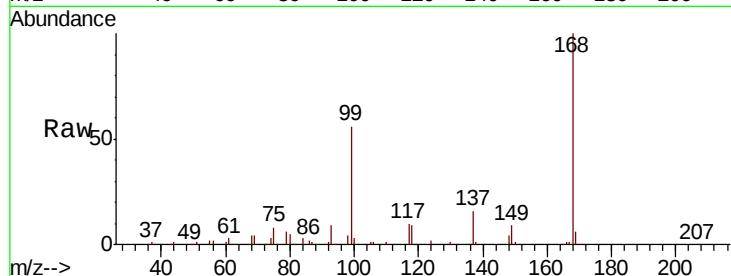
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 438138

Ion Ratio Lower Upper

168 100

99 56.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

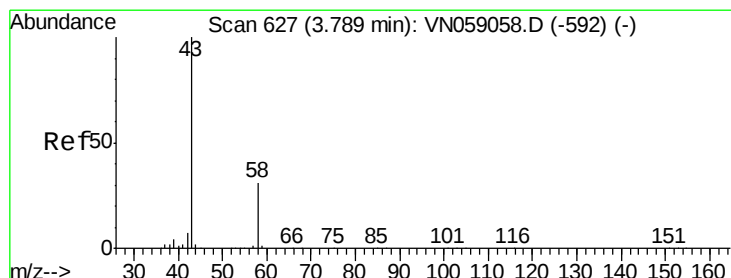
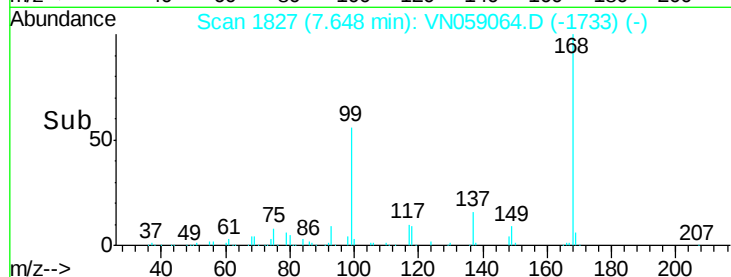
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 2.416 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059064.D

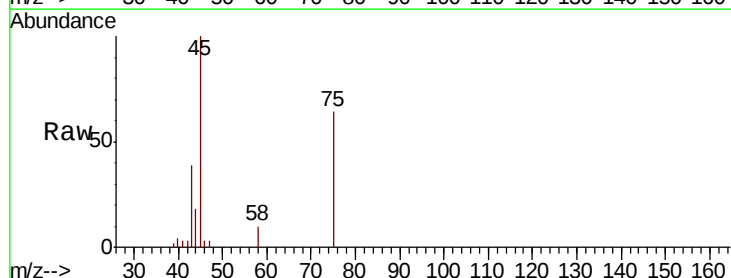
Acq: 1 Nov 2019 15:58

Tgt Ion: 43 Resp: 7098

Ion Ratio Lower Upper

43 100

58 25.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

3000

2500

2000

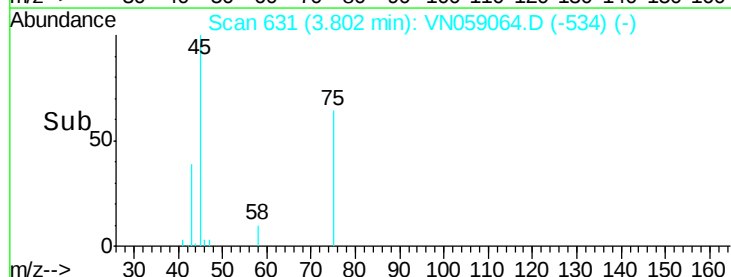
1500

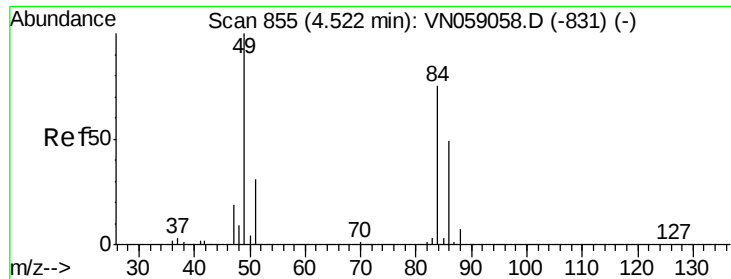
1000

500

0

Time--> 3.75 3.80 3.85

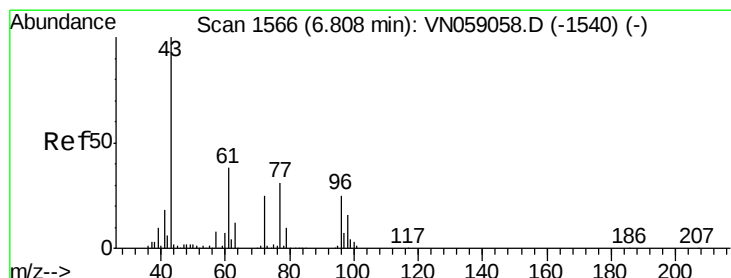
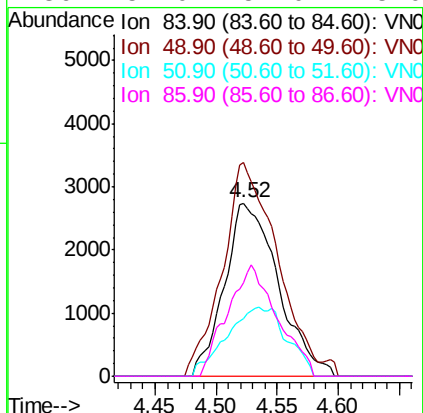
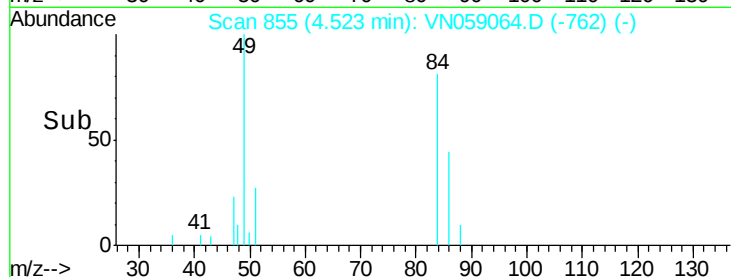
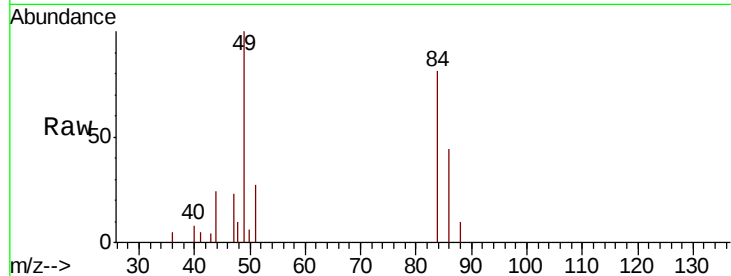




#20
Methvlene Chloride
Concen: 1.634 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

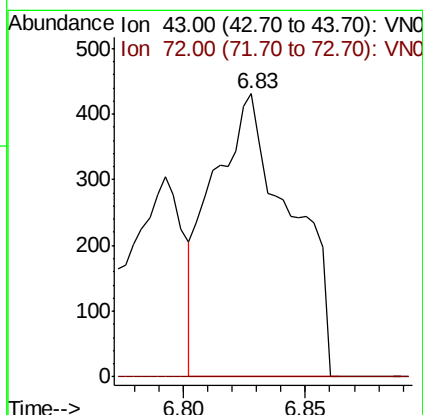
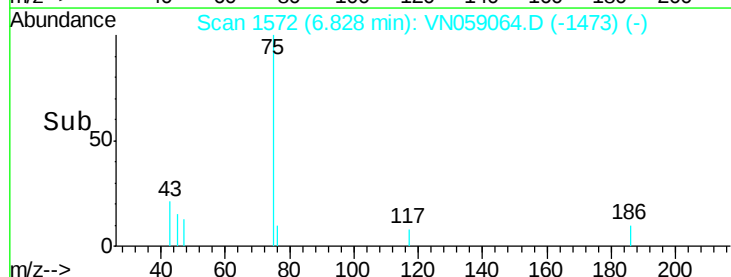
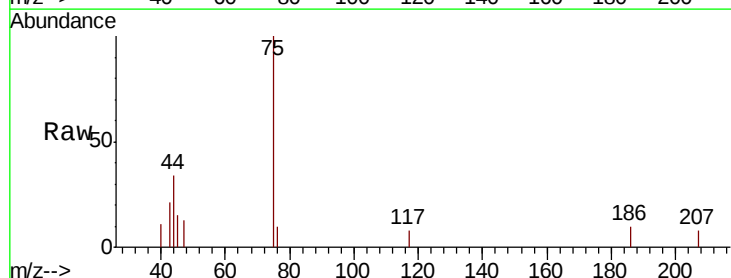
Instrument :
MSVOA_N
ClientSampled :

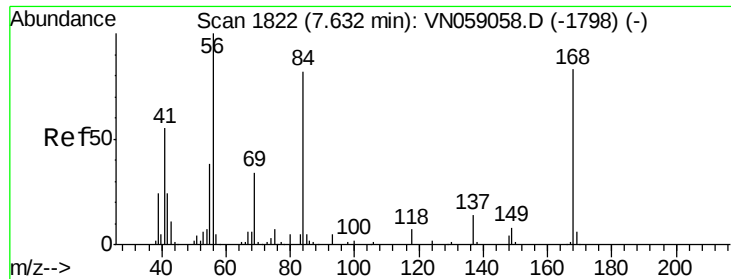
Tot Ion:	84	Resp:	8401
Ion	Ratio	Lower	Upper
84	100		
49	123.2	106.4	159.6
51	33.4	33.0	49.4
86	54.0	52.0	78.0



#25
2-Butanone
Concen: 0.246 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.02 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Tgt Ion:	43	Resp:	964
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#

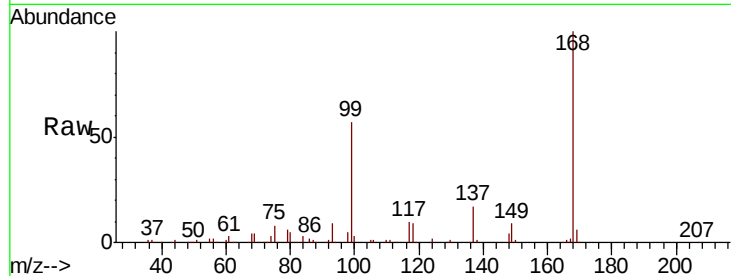




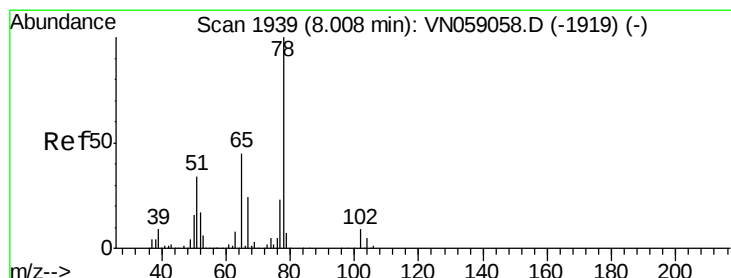
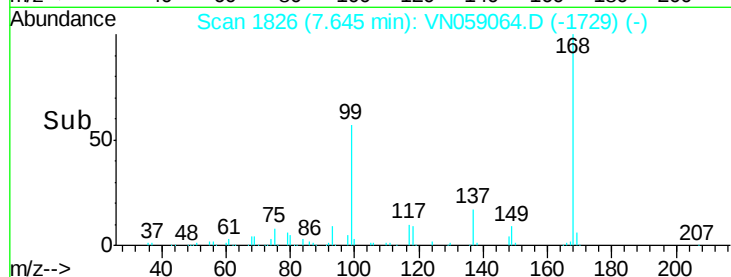
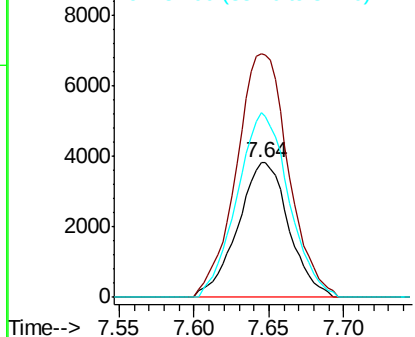
#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9059
Ion Ratio Lower Upper
56 100
69 180.8 27.2 40.8#
84 136.8 65.2 97.8#

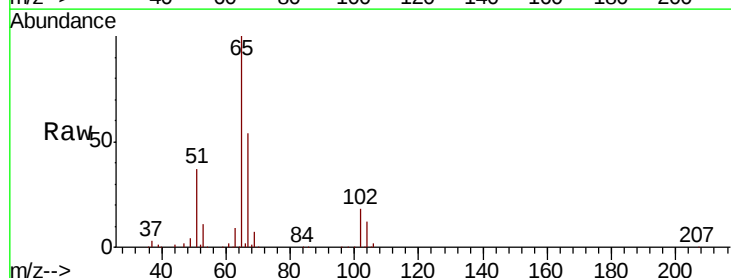


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

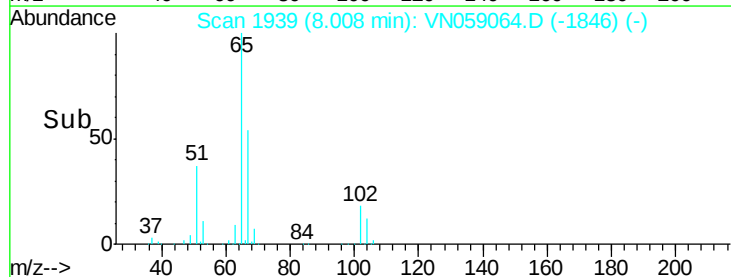
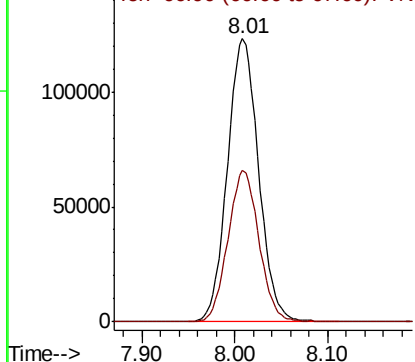


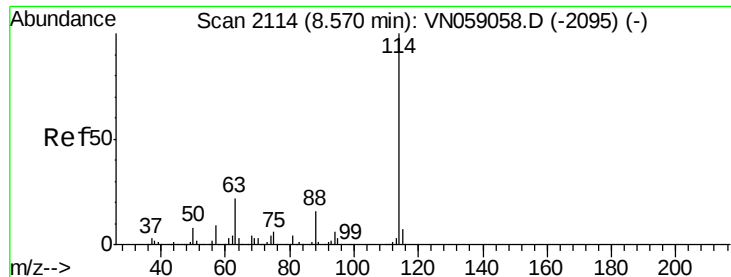
#33
1,2-Dichloroethane-d4
Concen: 49.528 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Tgt Ion: 65 Resp: 287391
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.6



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

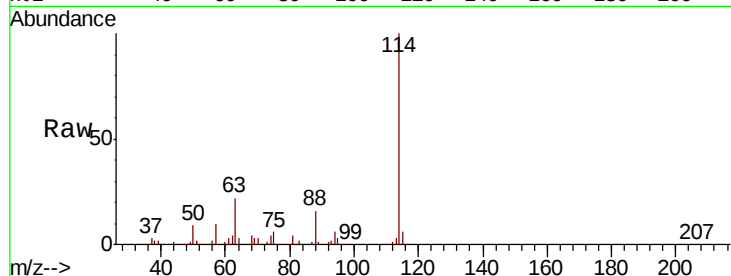




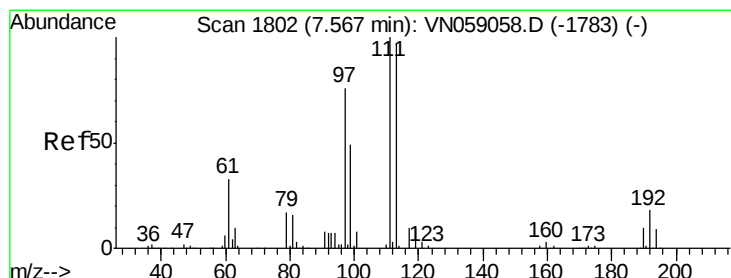
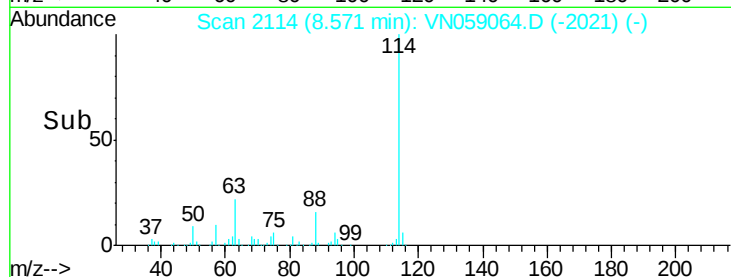
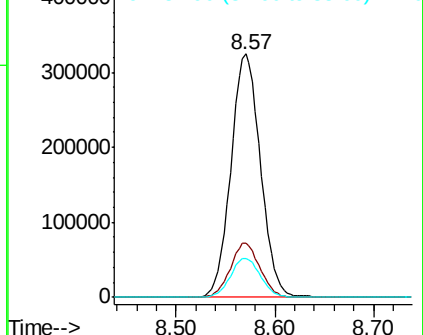
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059064.D
 Acq: 1 Nov 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.2
88	16.1	0.0	33.0

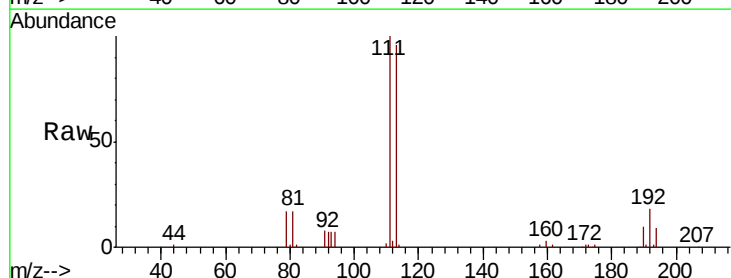


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

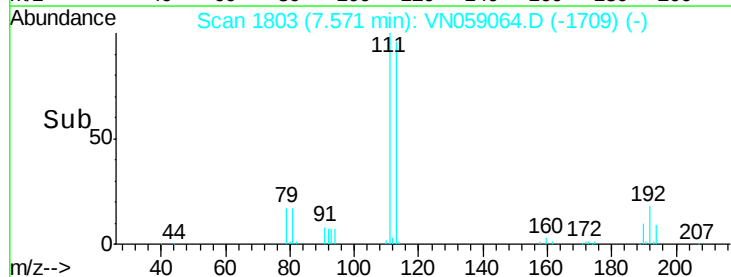
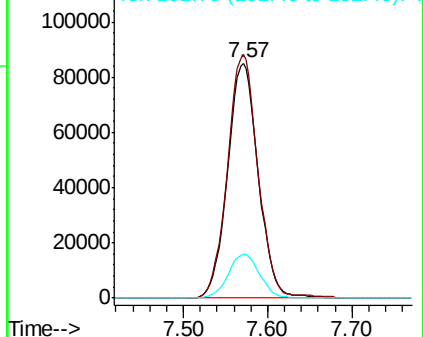


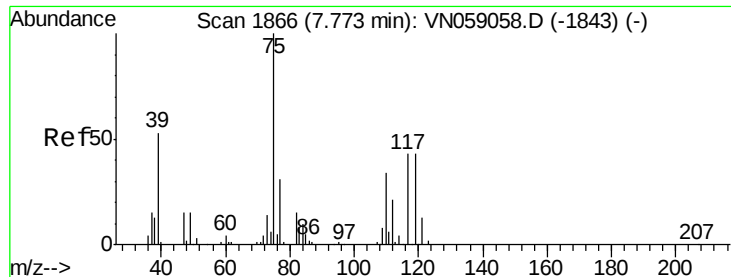
#35
 Dibromofluoromethane
 Concen: 49.123 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059064.D
 Acq: 1 Nov 2019 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	19.0	15.9	23.9



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: 5.171 ug/l

RT: 7.65 min Scan# 1827

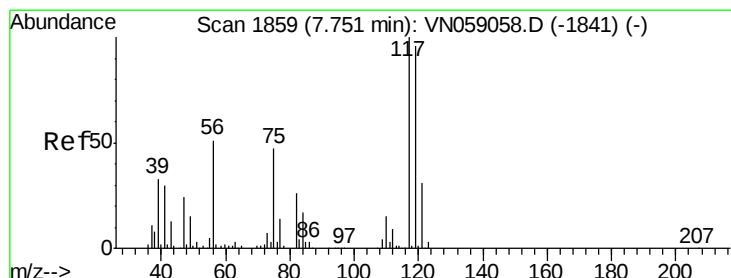
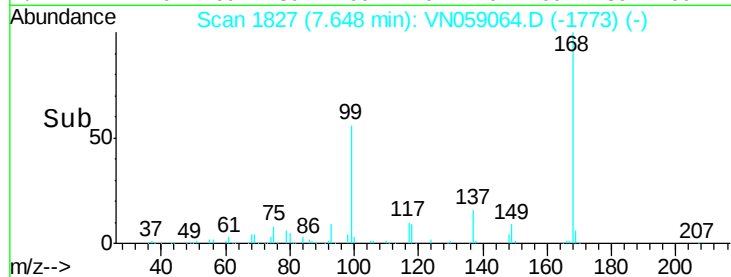
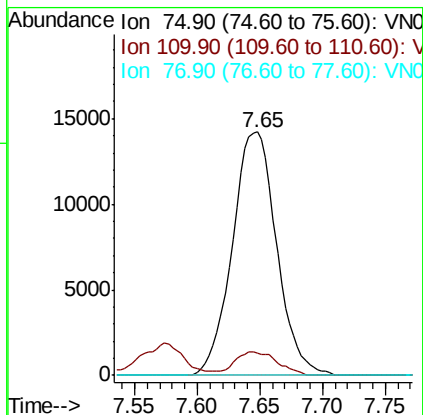
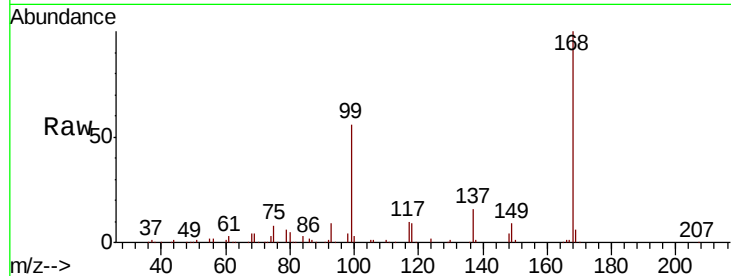
Delta R.T. -0.13 min

Lab File: VN059064.D

Acq: 1 Nov 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	75	Resp	34853
Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.9	50.6#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.387 ug/l

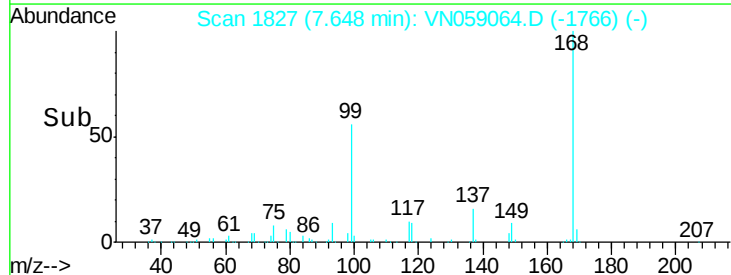
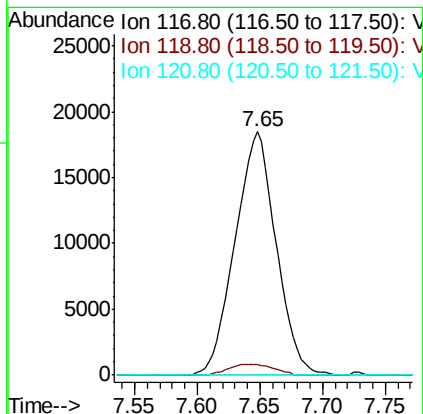
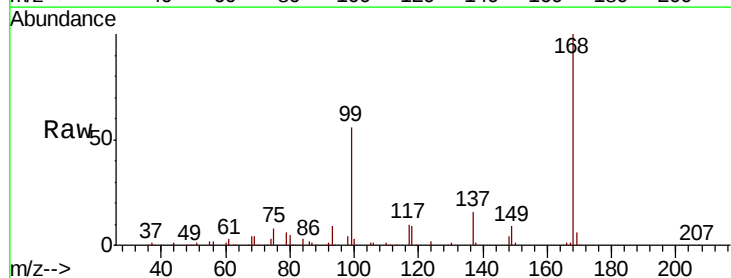
RT: 7.65 min Scan# 1827

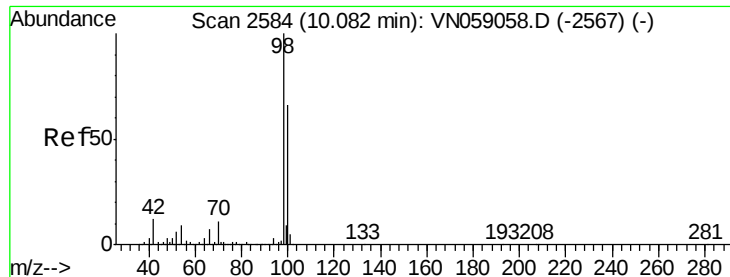
Delta R.T. -0.10 min

Lab File: VN059064.D

Acq: 1 Nov 2019 15:58

Tgt Ion	117	Resp	41952
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	114.8#
121	0.0	24.6	37.0#

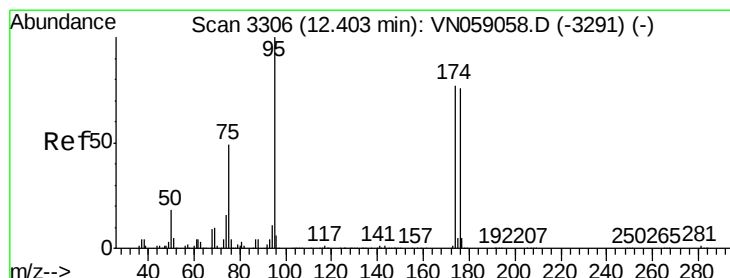
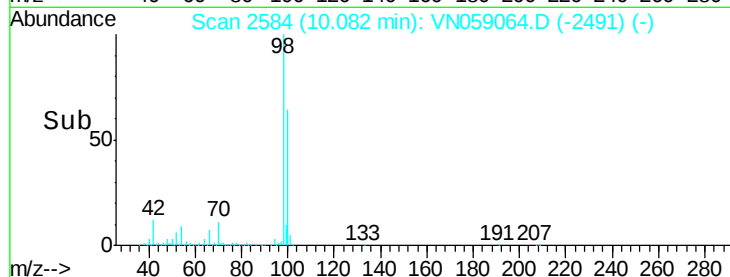
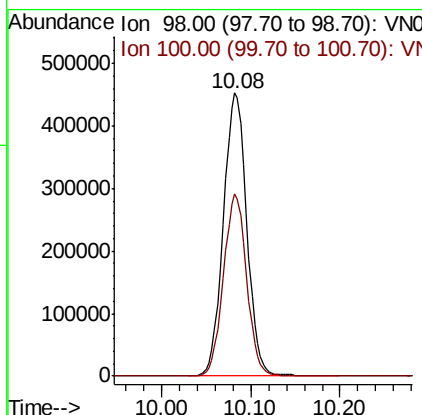
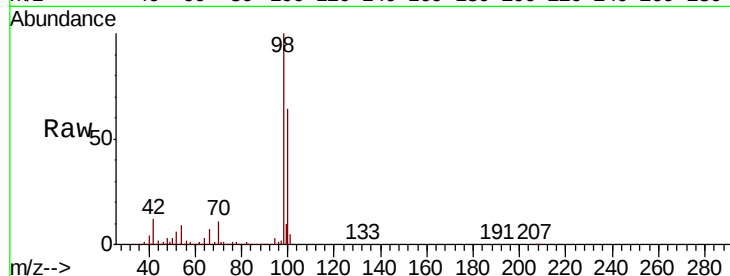




#50
Toluene-d8
Concen: 48.327 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

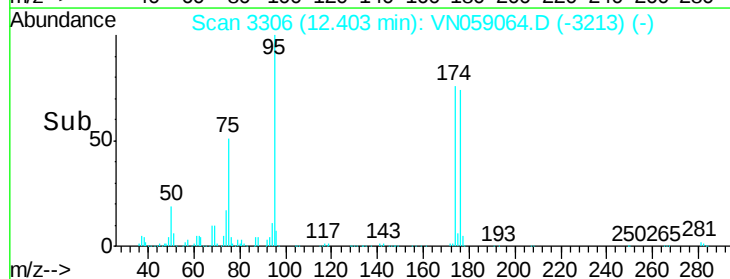
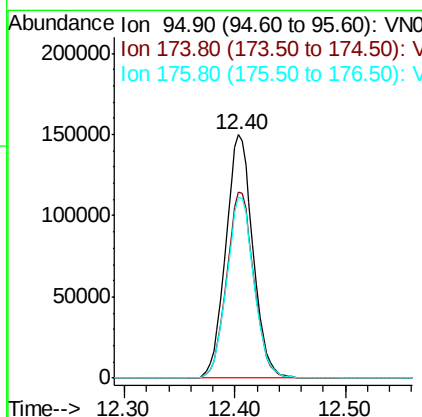
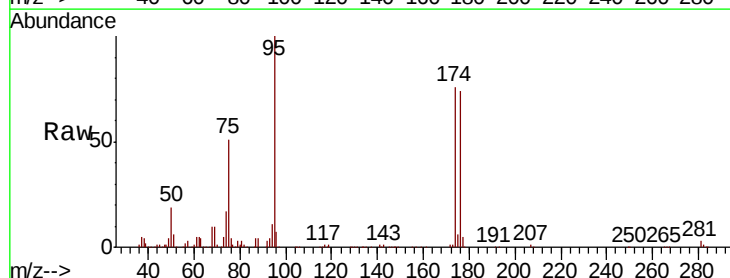
Instrument :
MSVOA_N
ClientSampled :

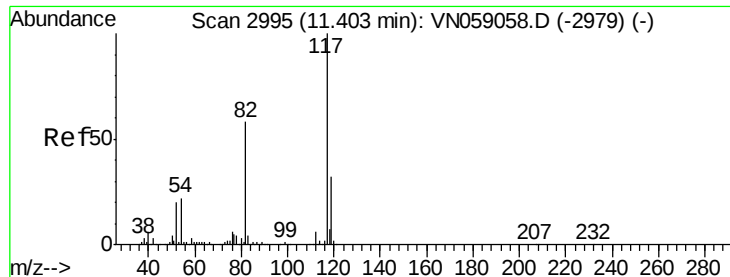
Tot Ion: 98 Resp: 823115
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.700 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Tgt Ion: 95 Resp: 255309
Ion Ratio Lower Upper
95 100
174 76.7 0.0 155.8
176 74.6 0.0 151.6

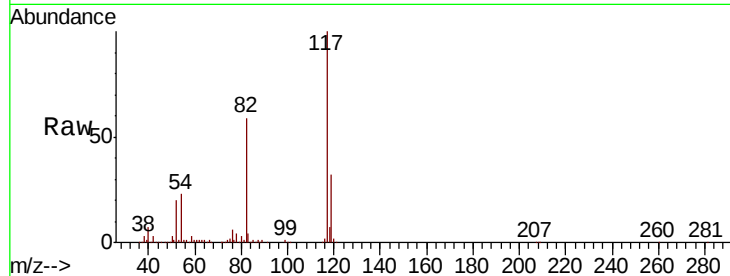




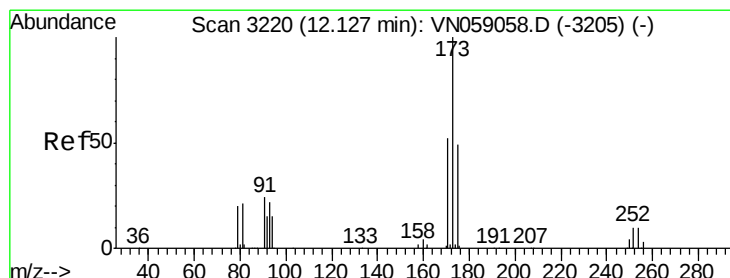
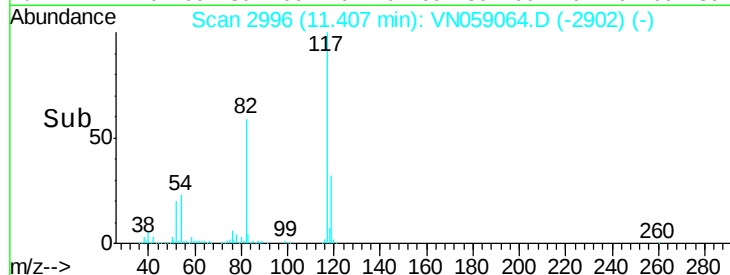
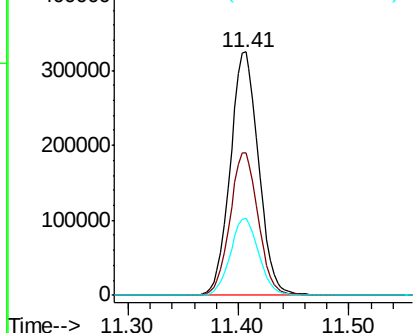
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 577908
Ion Ratio Lower Upper
117 100
82 58.8 46.0 69.0
119 31.8 25.6 38.4

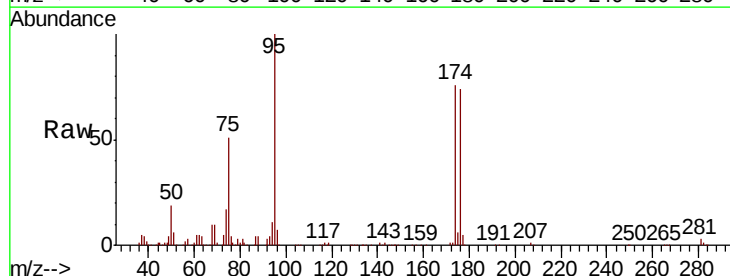


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

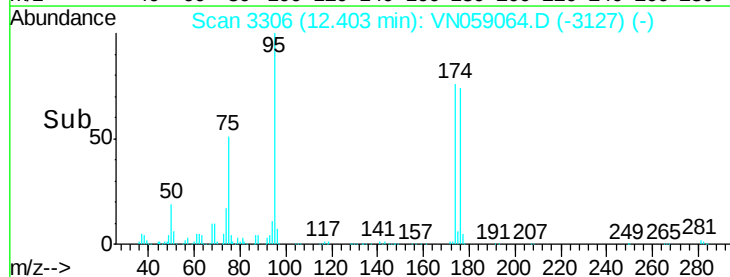
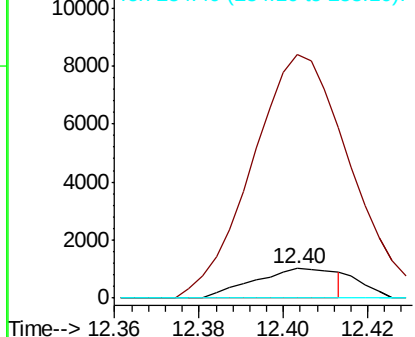


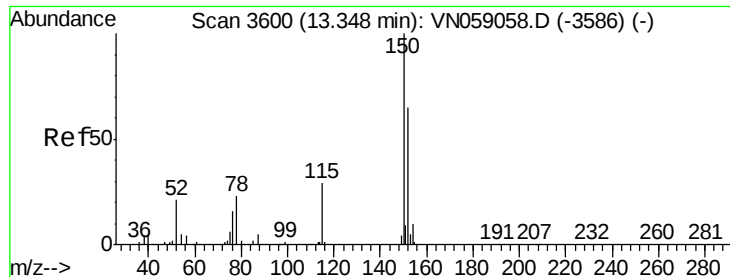
#71
Bromoform
Concen: 0.404 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Tgt Ion:173 Resp: 1363
Ion Ratio Lower Upper
173 100
175 817.4 24.4 73.2#
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# 3600

Delta R.T. 0.00 min

Lab File: VN059064.D

Acq: 1 Nov 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

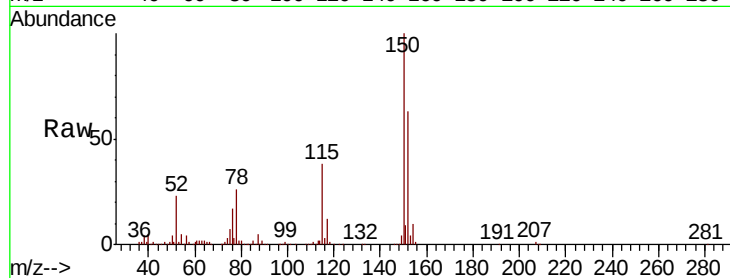
Tot Ion:152 Resp: 203035

Ion Ratio Lower Upper

152 100

115 60.5 29.6 88.9

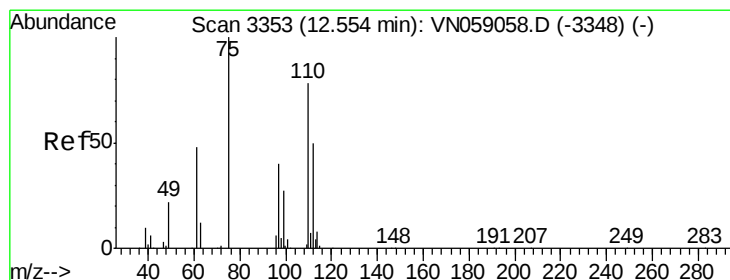
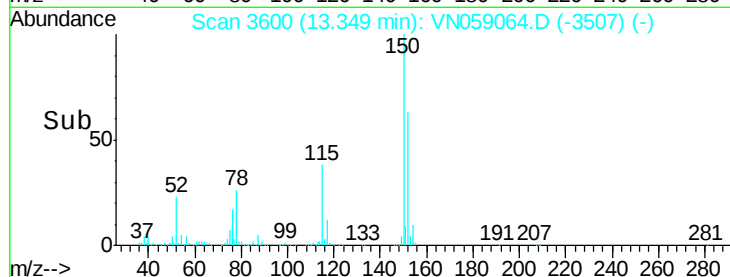
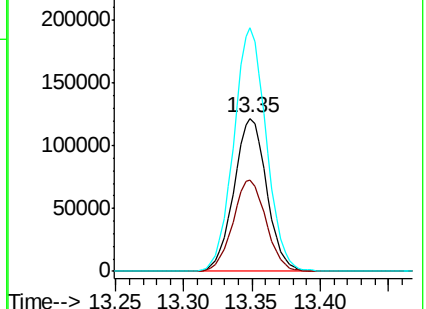
150 158.2 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.810 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059064.D

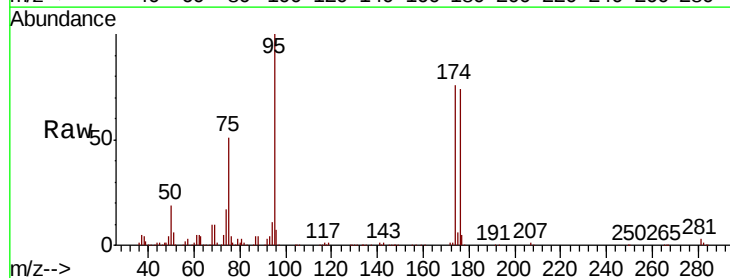
Acq: 1 Nov 2019 15:58

Tgt Ion: 75 Resp: 128810

Ion Ratio Lower Upper

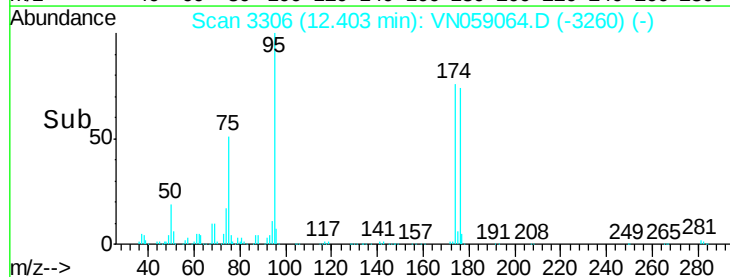
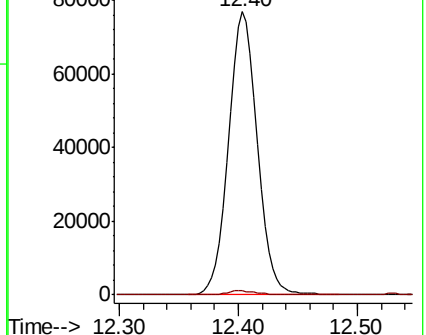
75 100

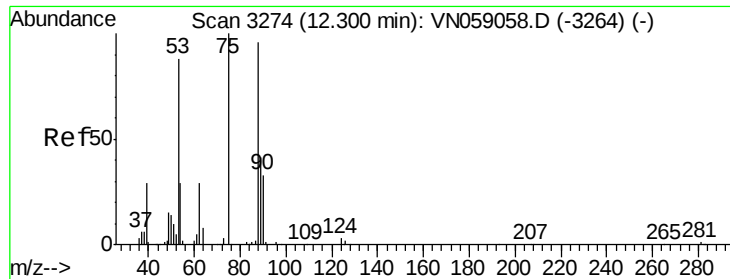
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

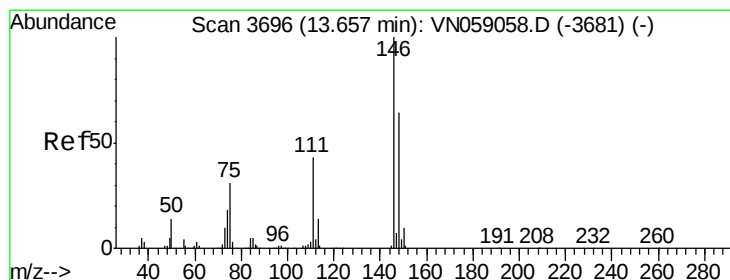
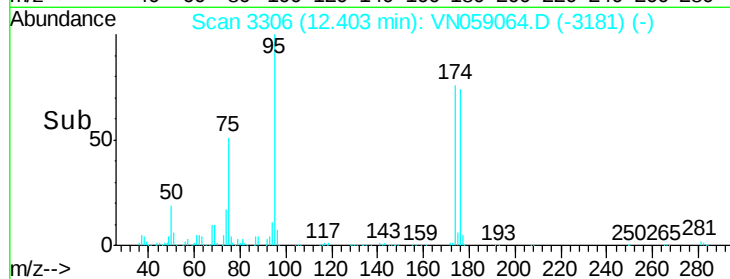
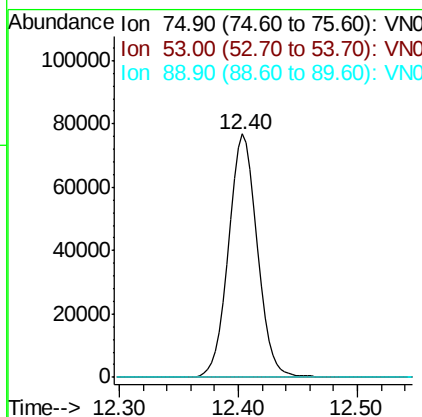
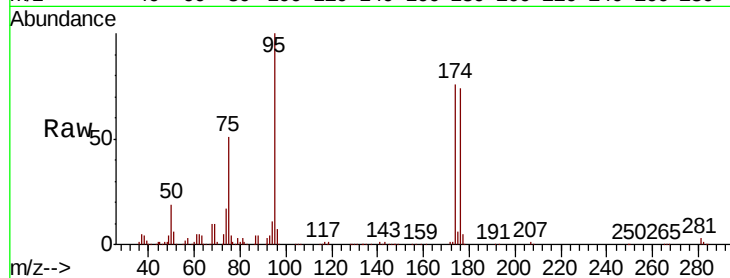




#81
trans-1,4-Dichloro-2-butene
Concen: 68.727 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

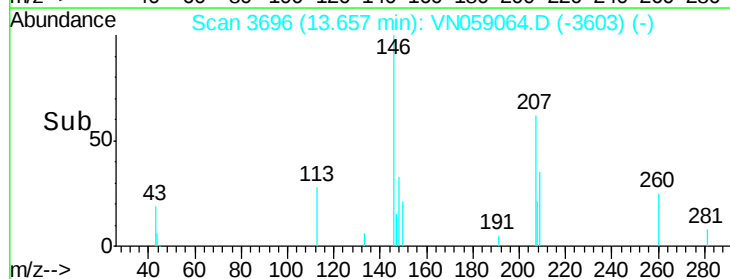
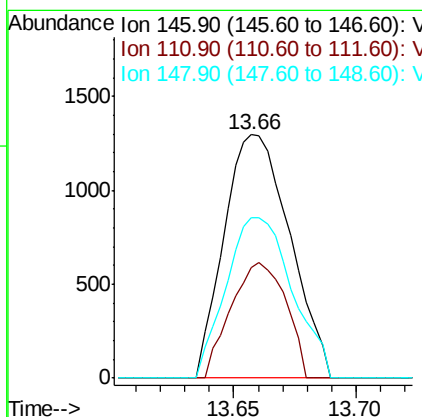
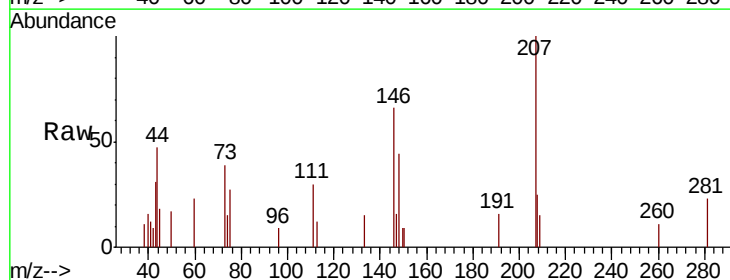
Instrument :
MSVOA_N
ClientSampled :

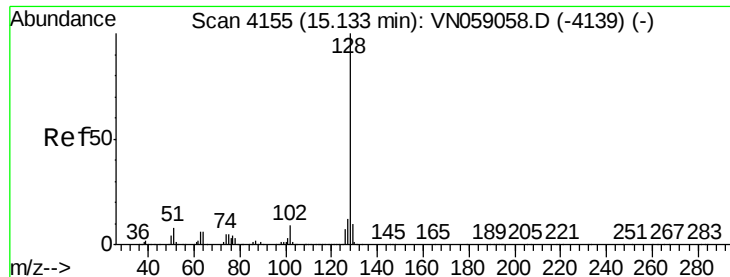
Tot Ion: 75 Resp: 128810
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 34.2 51.2#



#91
1,2-Dichlorobenzene
Concen: 0.367 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN059064.D
Acq: 1 Nov 2019 15:58

Tgt Ion: 146 Resp: 2422
Ion Ratio Lower Upper
146 100
111 39.7 21.2 63.6
148 66.3 32.1 96.3





#95

Naphthalene

Concen: 3.228 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059064.D

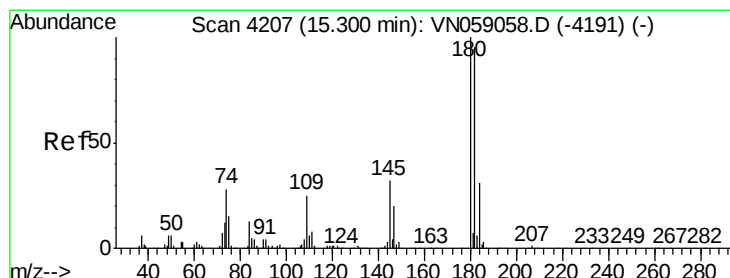
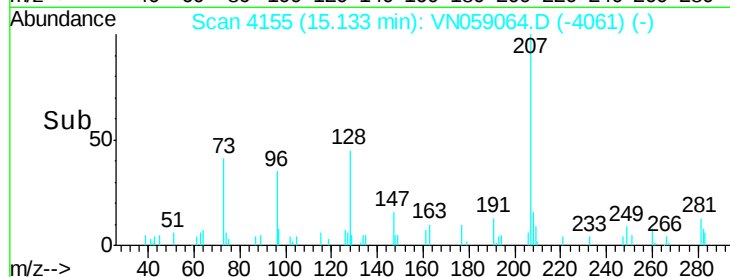
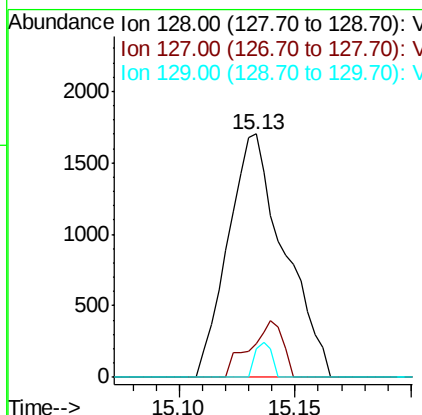
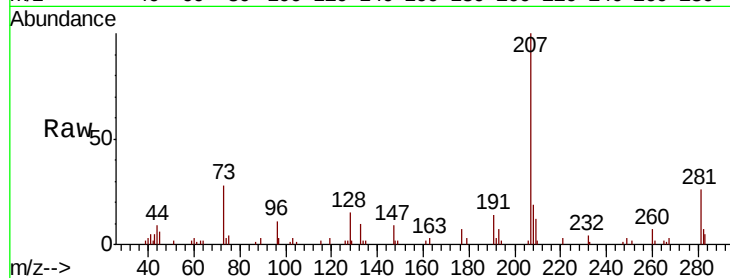
Acq: 1 Nov 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	128	Resp:	2863
Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.9	14.9
129	4.4	8.4	12.6#



#96

1,2,3-Trichlorobenzene

Concen: 0.238 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059064.D

Acq: 1 Nov 2019 15:58

Tgt Ion:	180	Resp:	863
Ion	Ratio	Lower	Upper
180	100		
182	79.5	47.7	143.1
145	21.1	16.0	48.0

