

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058965.D
 Acq On : 24 Oct 2019 16:40
 Operator : JC/SP
 Sample : K5508-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:25:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	354079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	562338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	180578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	270308	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
35) Dibromofluoromethane	7.57	113	194908	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.08	98	718805	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	227362	43.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.28%	

Target Compounds

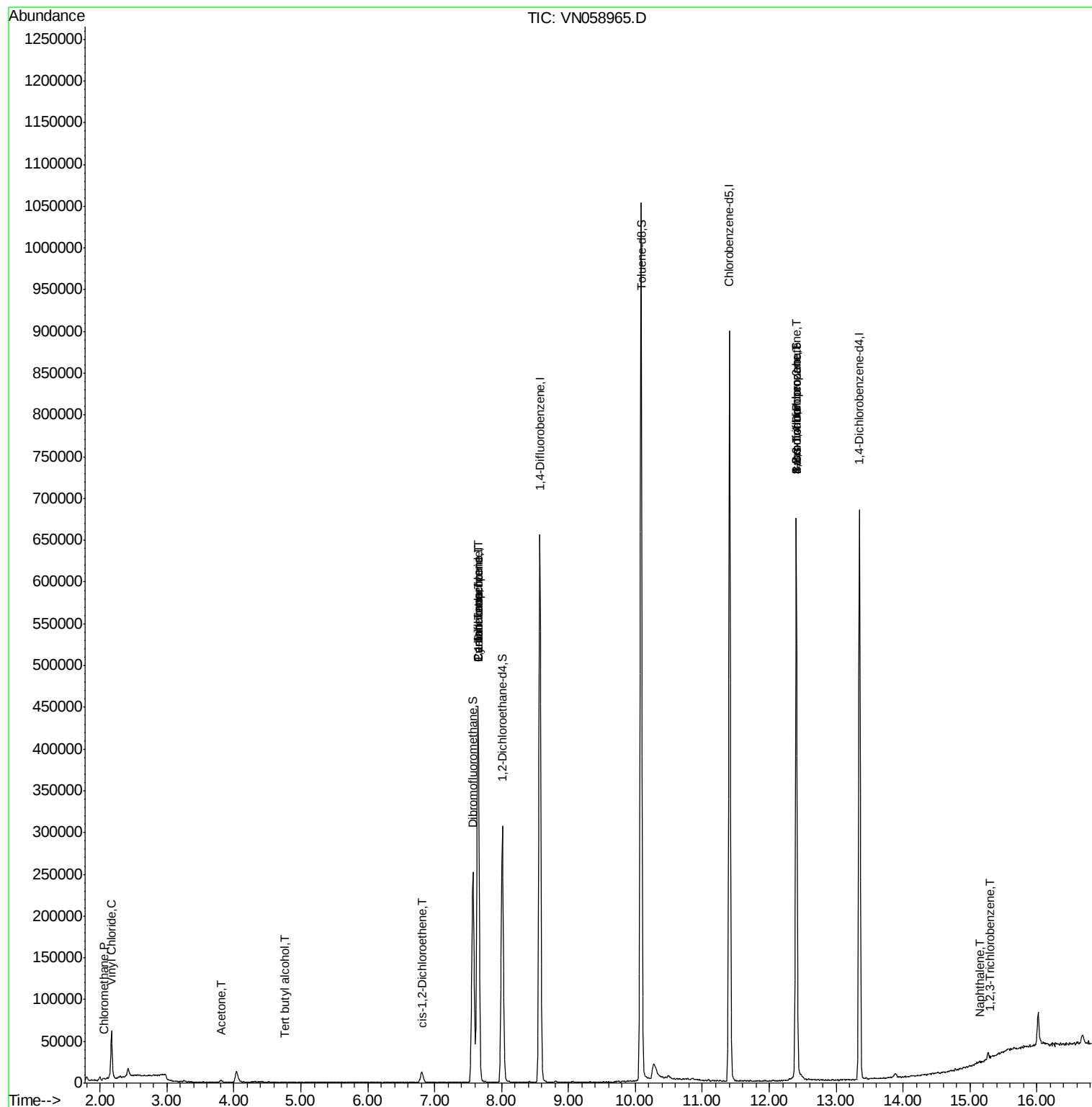
					Qvalue	
3) Chloromethane	2.04	50	1153	0.211	ug/l	91
4) Vinyl Chloride	2.17	62	52681	9.704	ug/l	96
11) Tert butyl alcohol	4.75	59	342	0.397	ug/l #	72
16) Acetone	3.80	43	4929	1.921	ug/l	90
27) cis-1,2-Dichloroethene	6.81	96	6968	1.582	ug/l	88
31) Cyclohexane	7.65	56	8307	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	30360	5.273	ug/l #	51
38) Carbon Tetrachloride	7.65	117	35300	5.952	ug/l #	17
71) Bromoform	12.40	173	1178	0.398	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	120795	28.863	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120795	75.191	ug/l #	10
95) Naphthalene	15.13	128	418	2.264	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	34	2.404	ug/l #	12

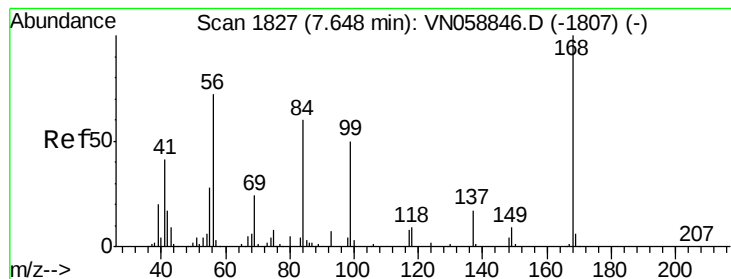
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

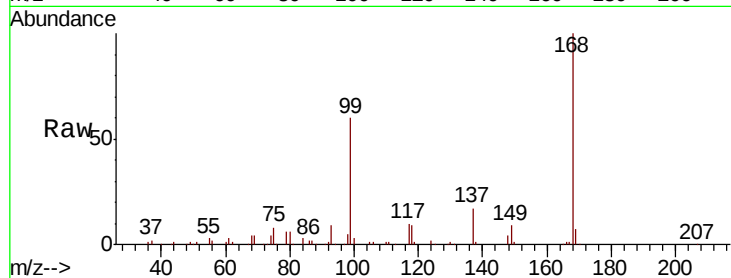
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 354079

Ion Ratio Lower Upper

168 100

99 59.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

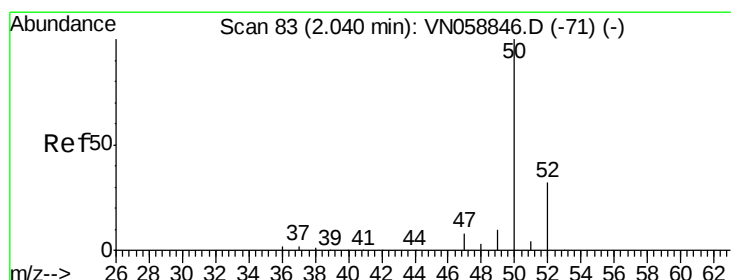
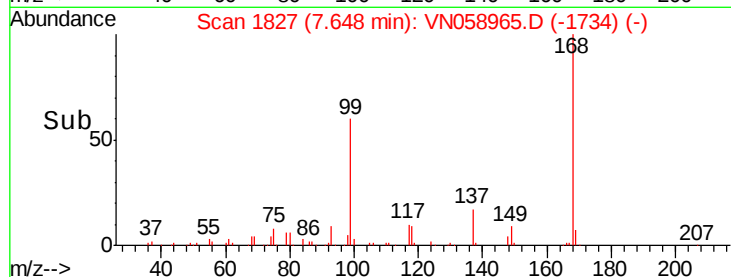
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.211 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058965.D

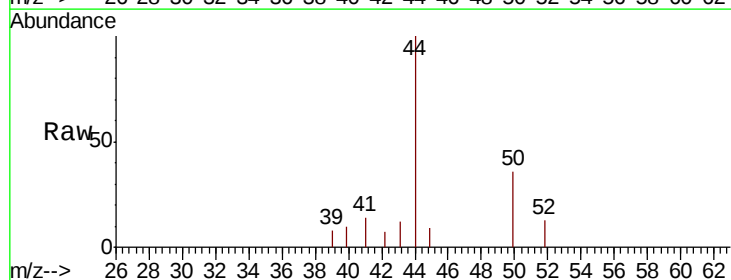
Acq: 24 Oct 2019 16:40

Tgt Ion: 50 Resp: 1153

Ion Ratio Lower Upper

50 100

52 37.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

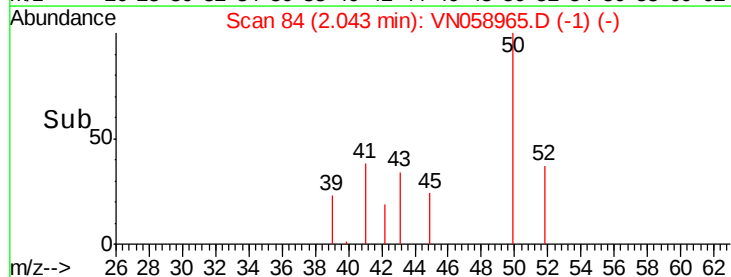
600

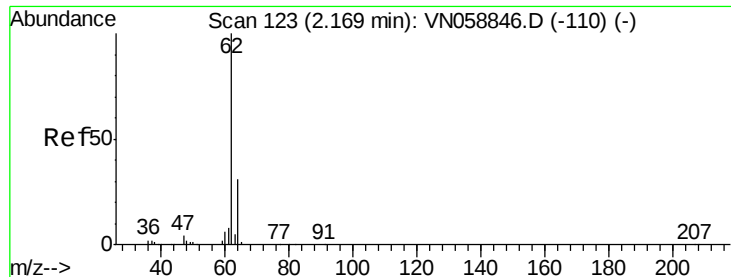
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#4

Vinyl Chloride

Concen: 9.704 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

Instrument :

MSVOA_N

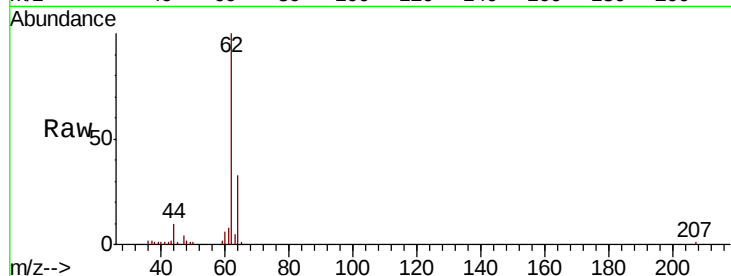
ClientSampleId :

Tot Ion: 62 Resp: 52681

Ion Ratio Lower Upper

62 100

64 33.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN058846.D (-110) (-)

2.17

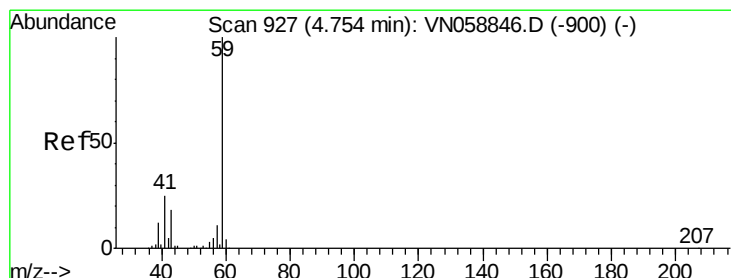
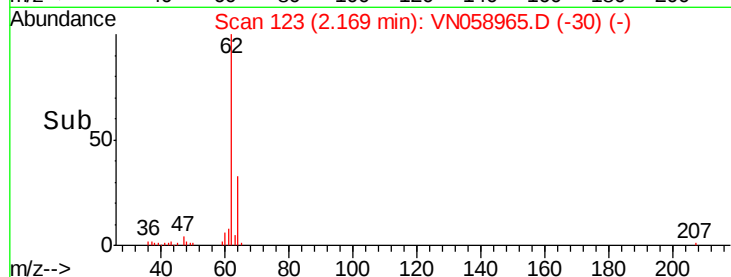
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25



#11

Tert butyl alcohol

Concen: 0.397 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058965.D

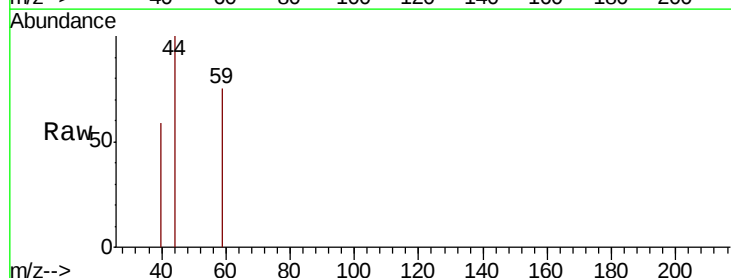
Acq: 24 Oct 2019 16:40

Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN058846.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN058846.D (-900) (-)

4.75

400

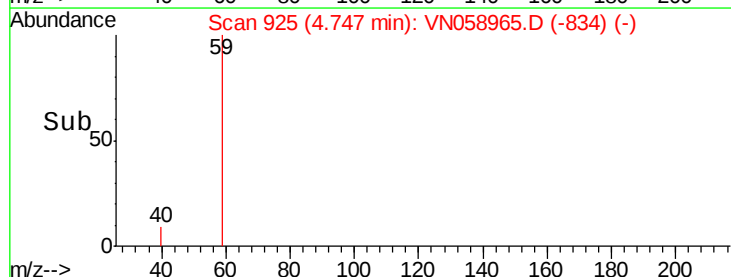
300

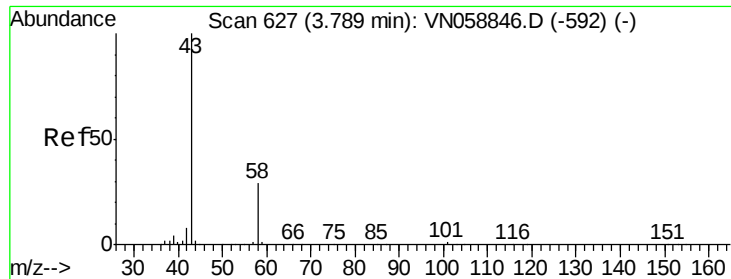
200

100

0

Time--> 4.73 4.74 4.75 4.76





#16

Acetone

Concen: 1.921 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

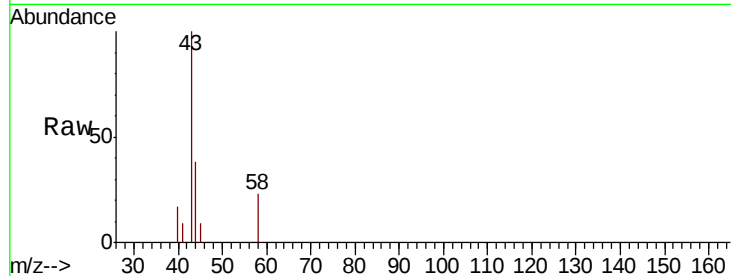
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 4929

Ion Ratio Lower Upper

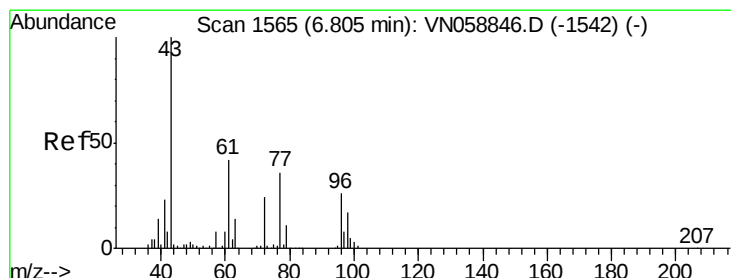
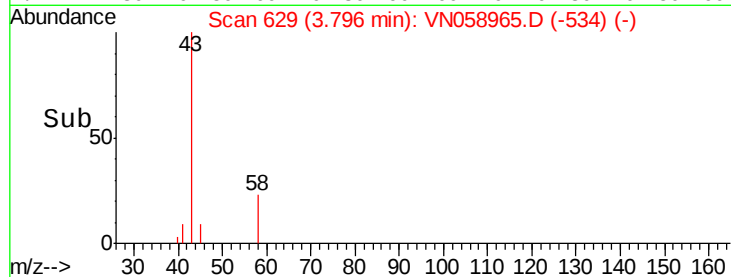
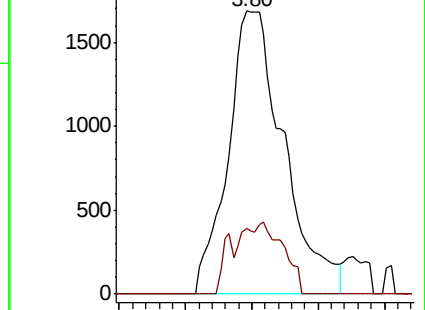
43 100

58 23.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)



#27

cis-1,2-Dichloroethene

Concen: 1.582 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

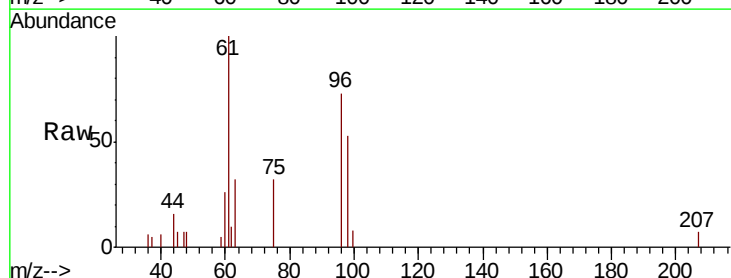
Tgt Ion: 96 Resp: 6968

Ion Ratio Lower Upper

96 100

61 142.4 0.0 325.0

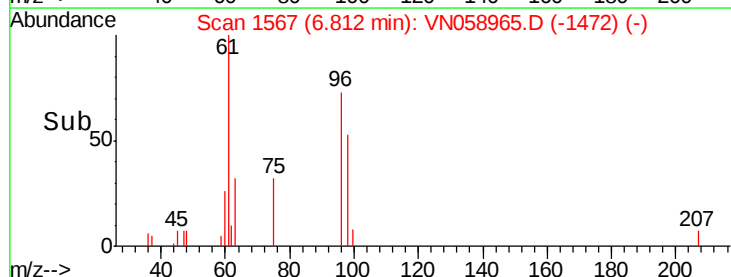
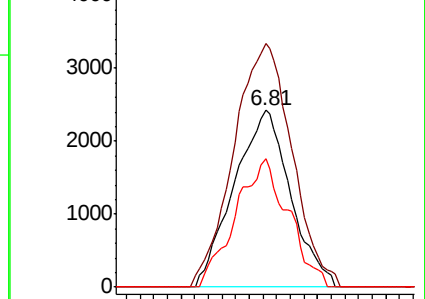
98 68.0 0.0 128.0

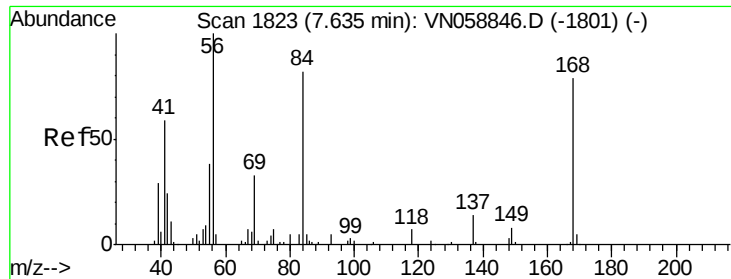


Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)

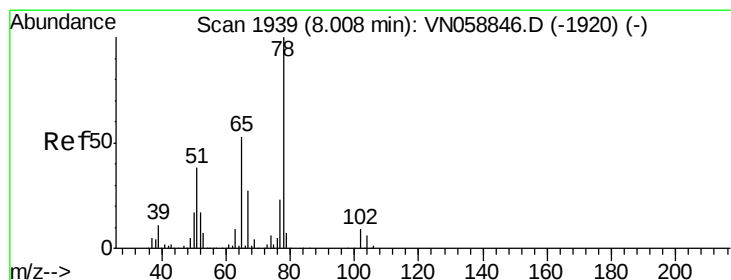
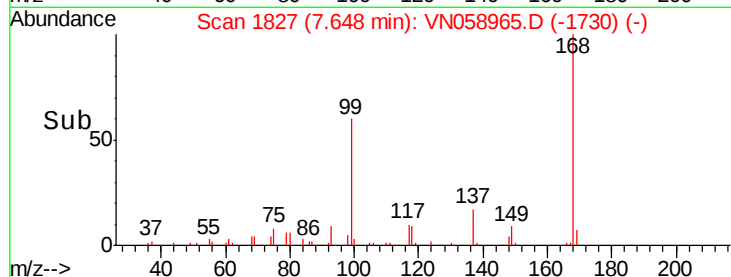
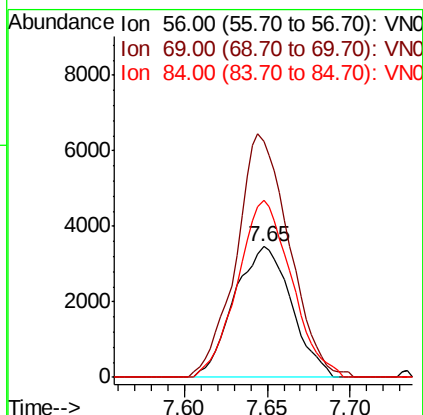
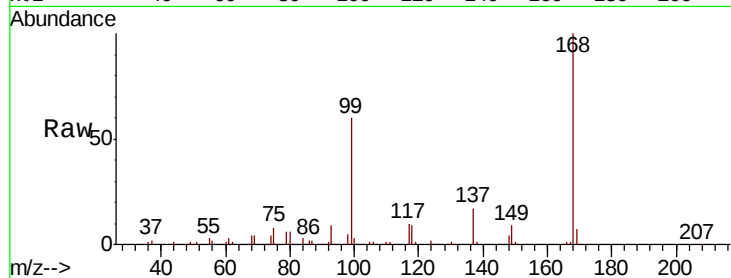




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

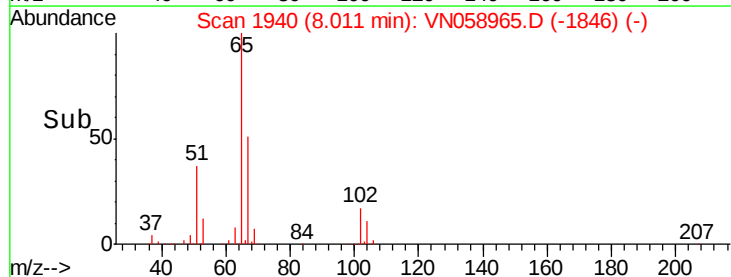
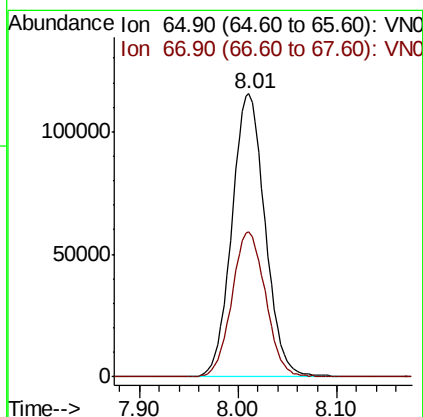
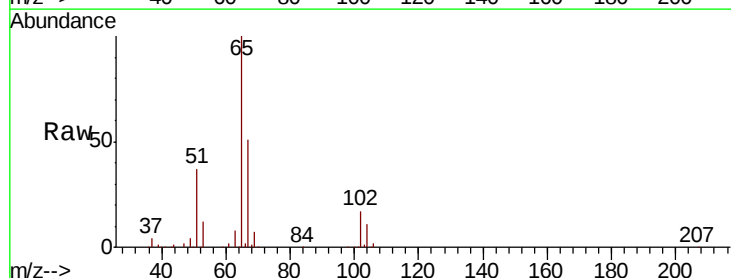
Instrument :
MSVOA_N
ClientSampled :

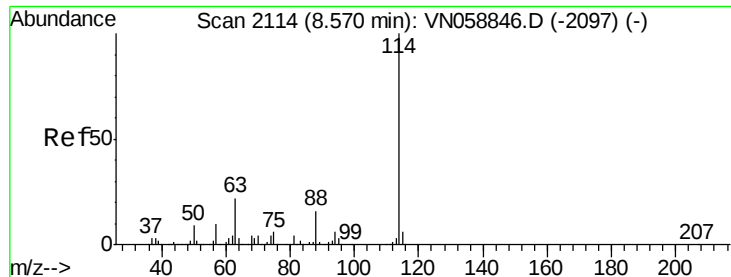
Tot Ion: 56 Resp: 8307
Ion Ratio Lower Upper
56 100
69 180.4 26.2 39.4#
84 135.7 65.6 98.4#



#33
1,2-Dichloroethane-d4
Concen: 52.051 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

Tgt Ion: 65 Resp: 270308
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.2

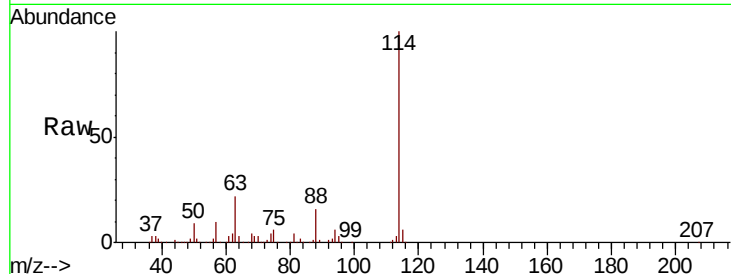




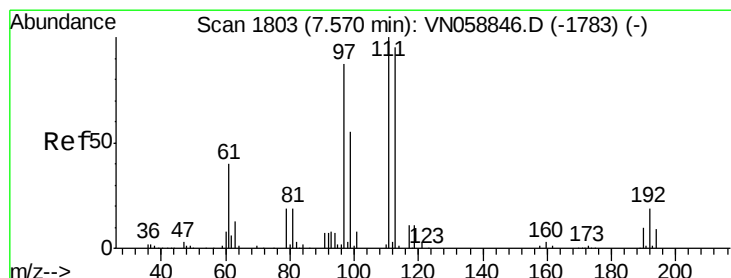
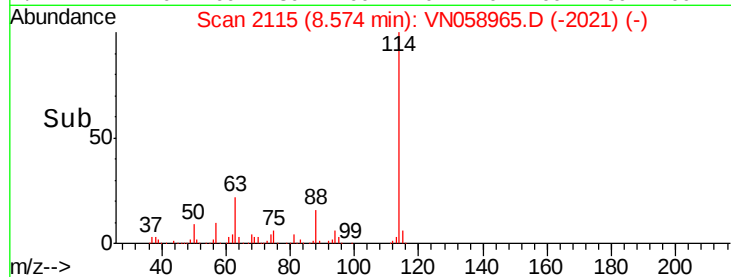
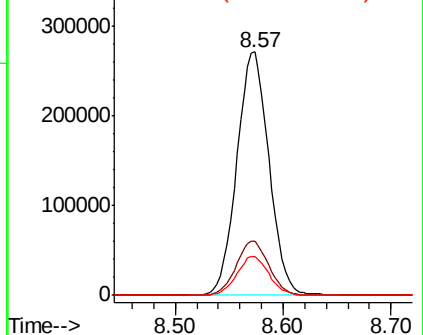
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058965.D
 Acq: 24 Oct 2019 16:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.4
88	15.8	0.0	31.4

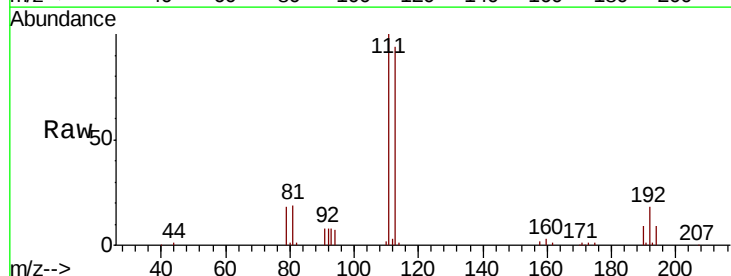


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

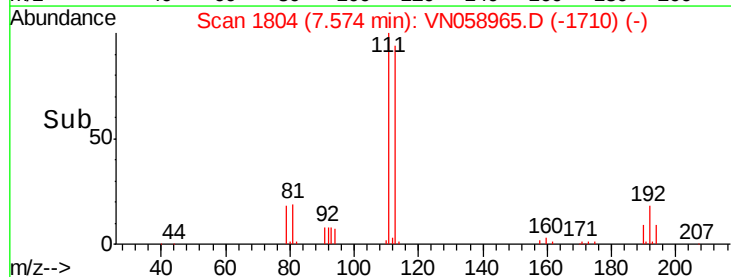
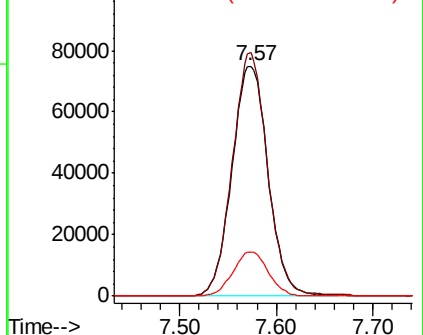


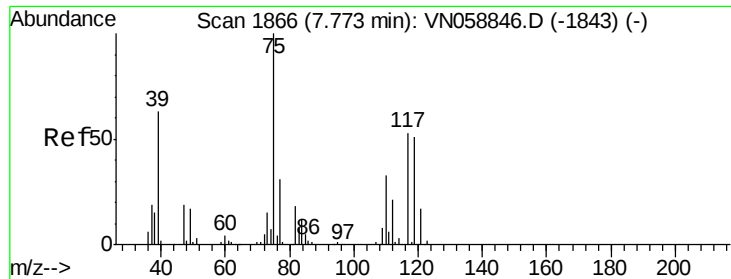
#35
 Dibromofluoromethane
 Concen: 52.717 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058965.D
 Acq: 24 Oct 2019 16:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.0	123.0
192	18.8	15.0	22.6



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

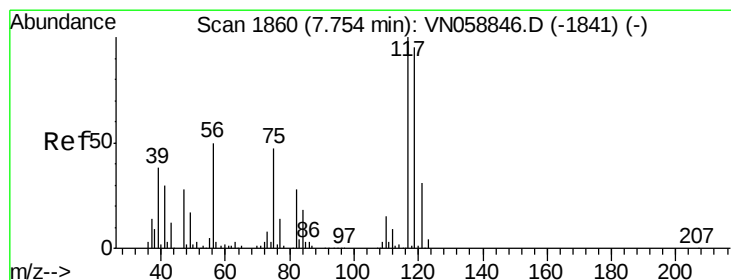
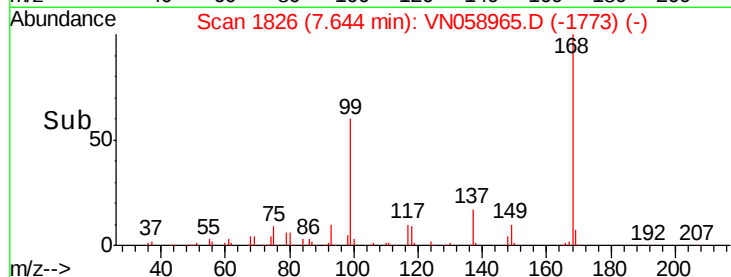
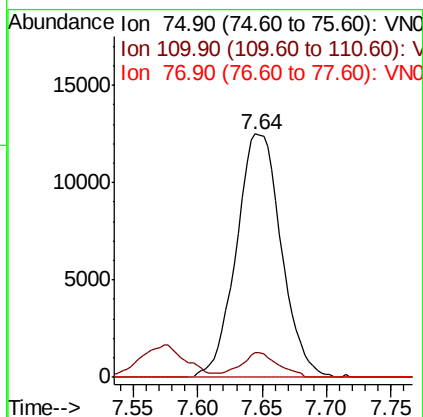
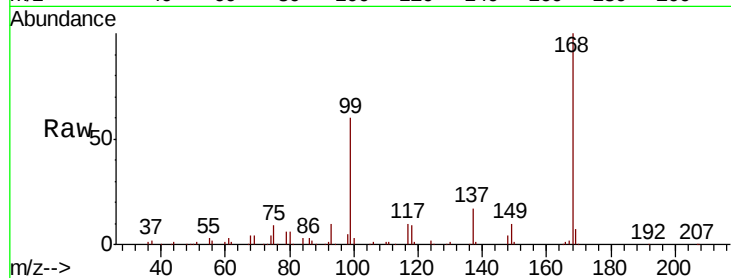




#36
 1,1-Dichloropropene
 Concen: 5.273 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058965.D
 Acq: 24 Oct 2019 16:40

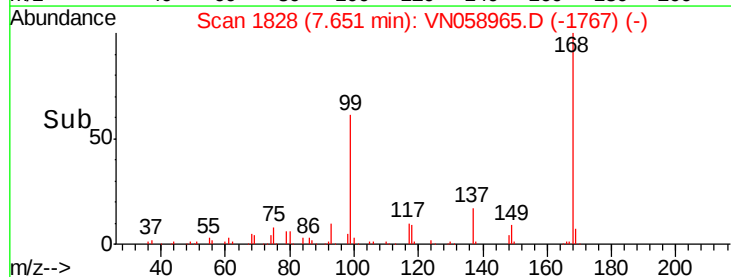
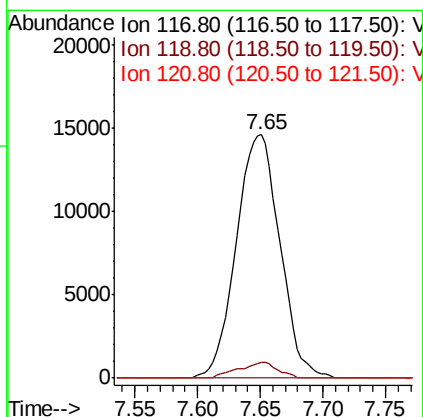
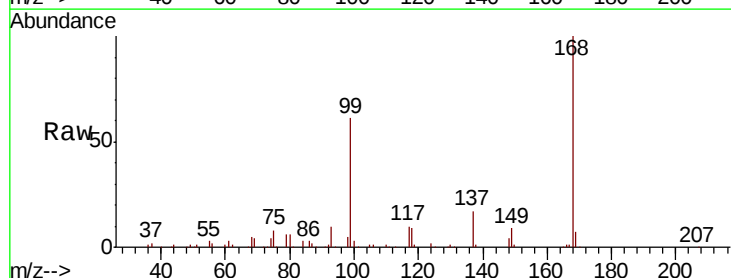
Instrument :
 MSVOA_N
 ClientSampled :

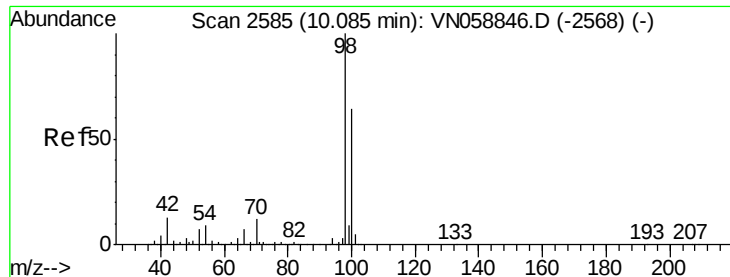
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.952 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.10 min
 Lab File: VN058965.D
 Acq: 24 Oct 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 50.084 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

Instrument :

MSVOA_N

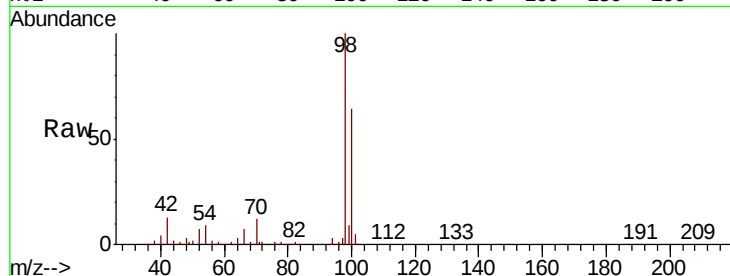
ClientSampled :

Tot Ion: 98 Resp: 718805

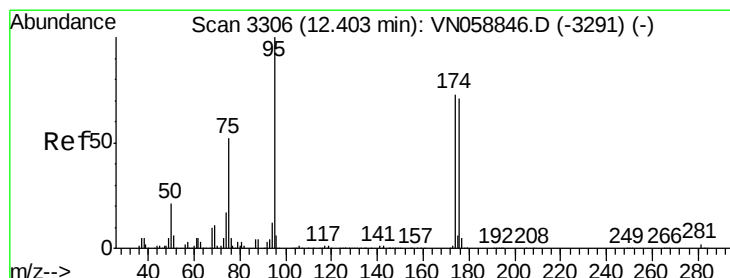
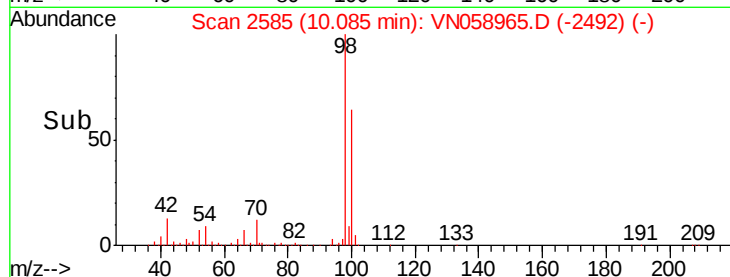
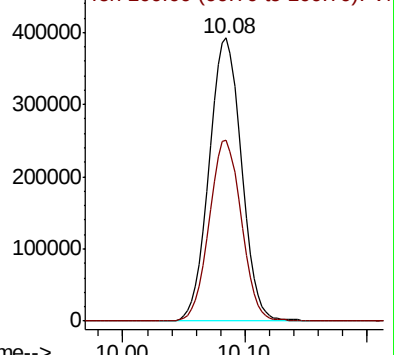
Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



#62

4-Bromofluorobenzene

Concen: 43.139 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

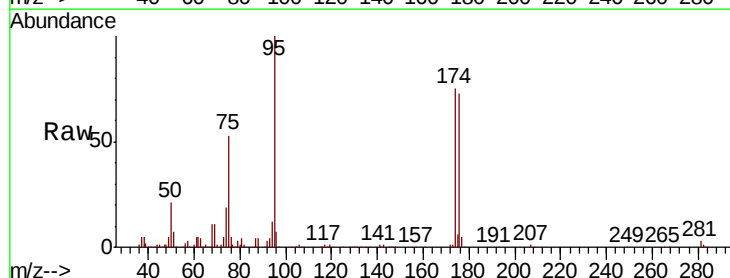
Tgt Ion: 95 Resp: 227362

Ion Ratio Lower Upper

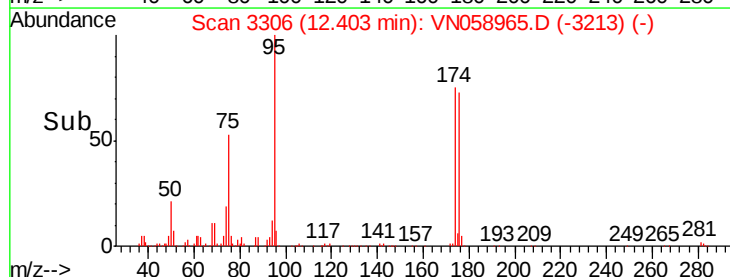
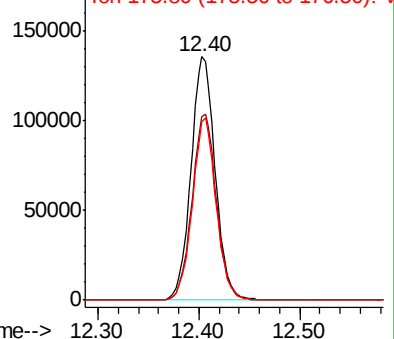
95 100

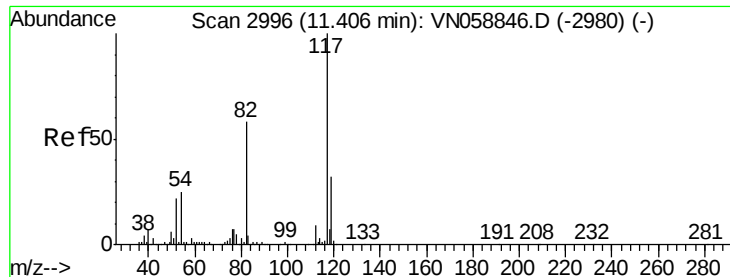
174 76.7 0.0 147.6

176 73.1 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

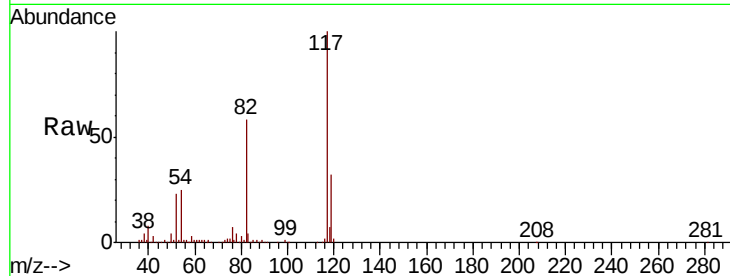




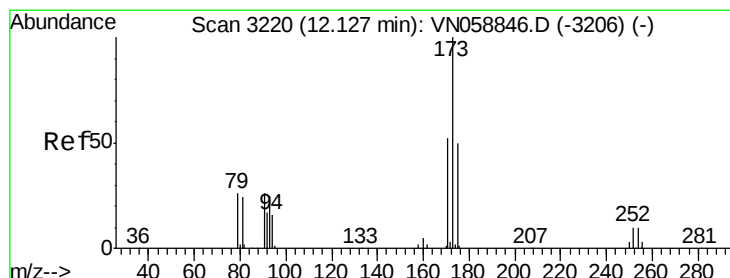
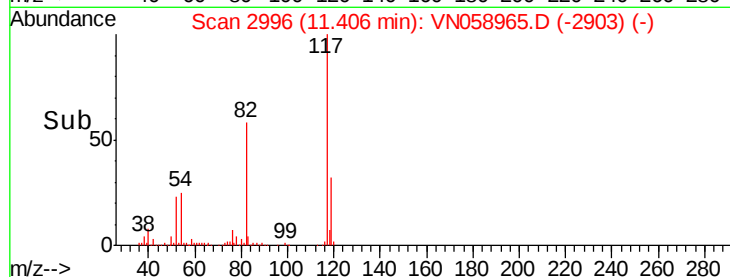
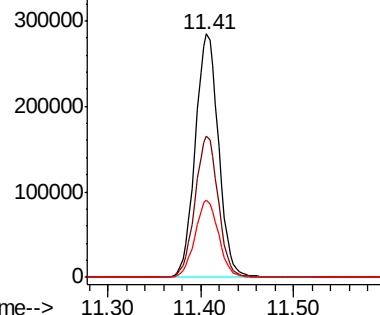
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 496390
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 31.6 25.6 38.4

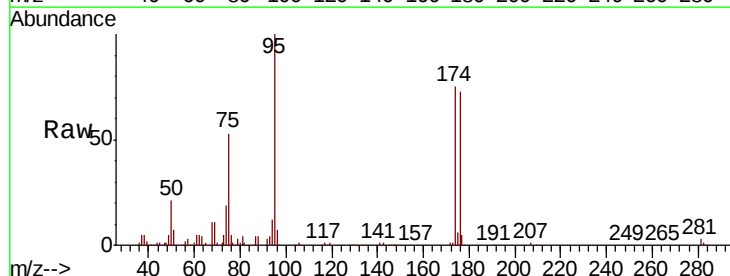


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

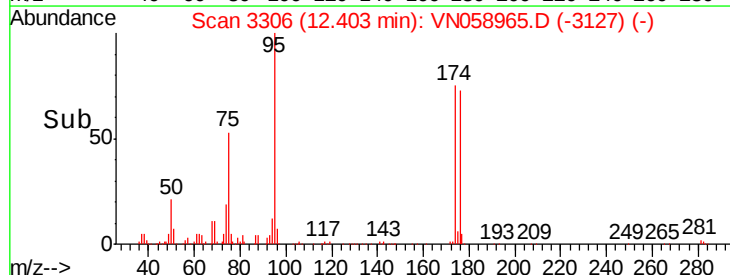
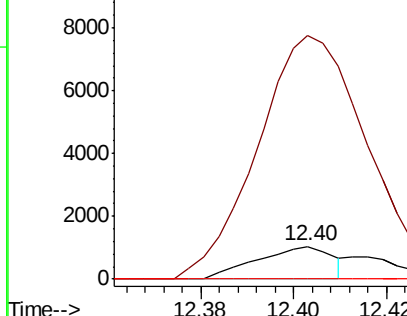


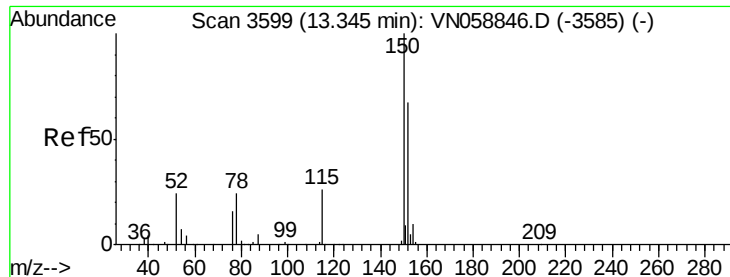
#71
Bromoform
Concen: 0.398 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

Tgt Ion:173 Resp: 1178
Ion Ratio Lower Upper
173 100
175 885.2 24.7 74.1#
254 0.0 0.0 0.0



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: VN058965.D

Acq: 24 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

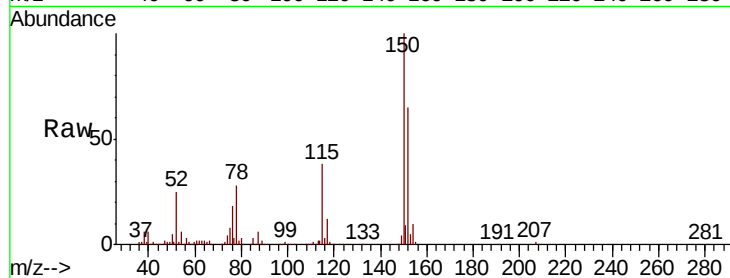
Tot Ion:152 Resp: 180578

Ion Ratio Lower Upper

152 100

115 59.3 30.5 91.5

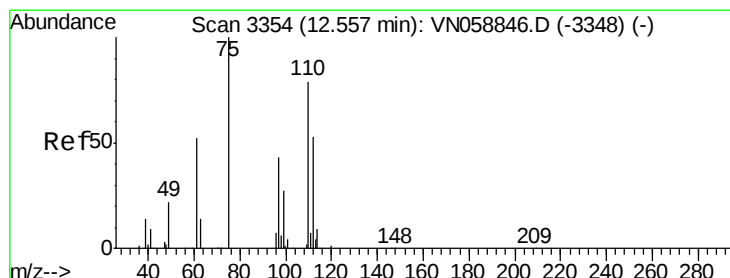
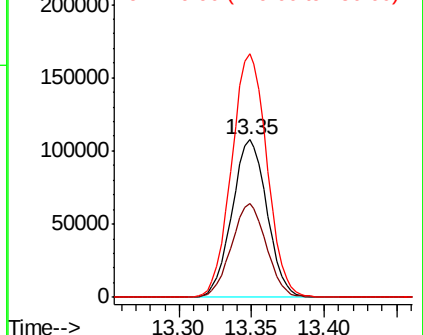
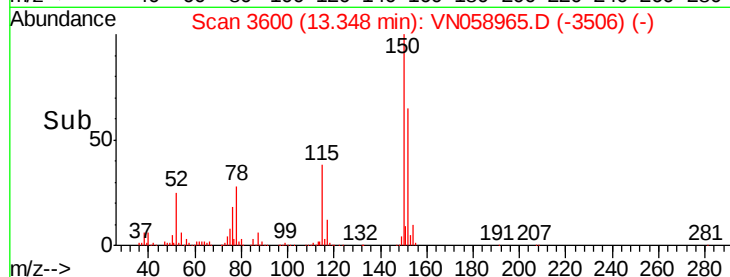
150 156.4 0.0 344.4



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: 28.863 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058965.D

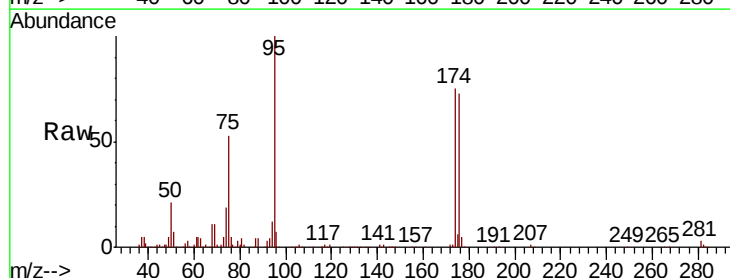
Acq: 24 Oct 2019 16:40

Tgt Ion: 75 Resp: 120795

Ion Ratio Lower Upper

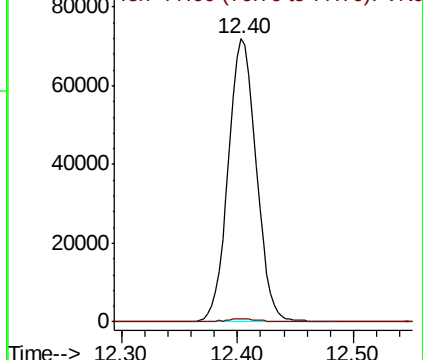
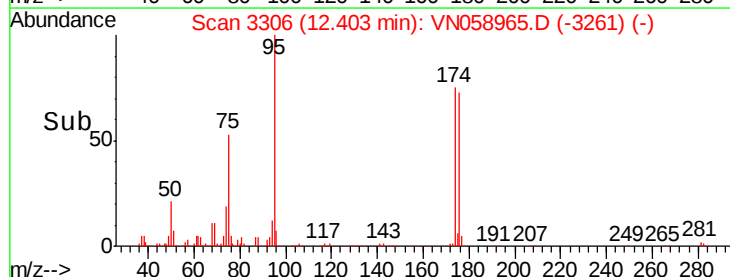
75 100

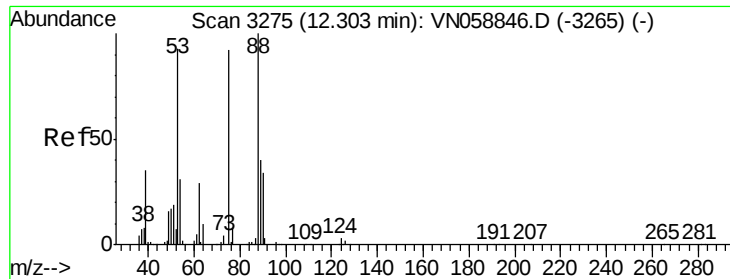
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

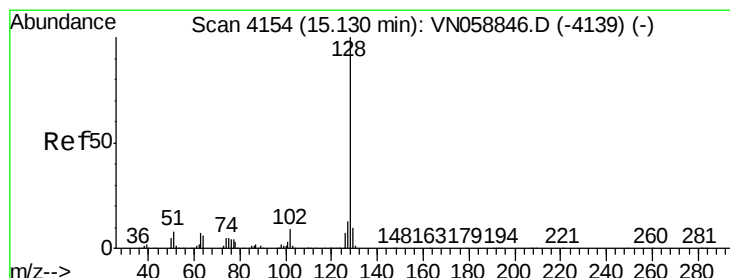
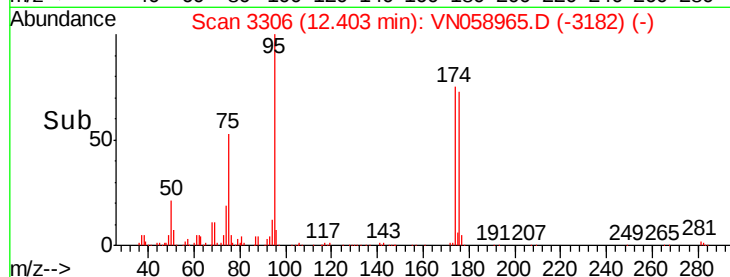
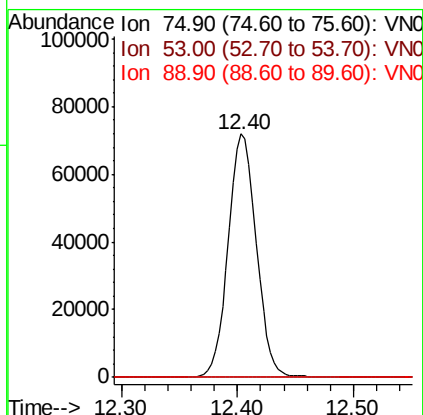
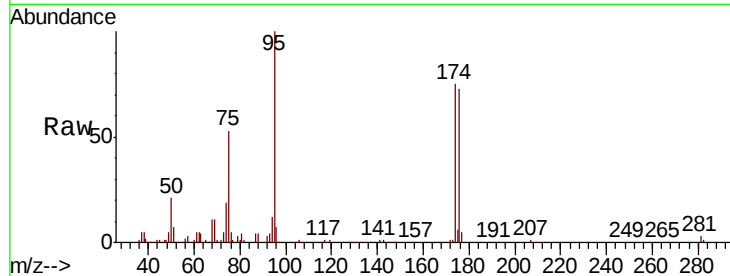




#81
trans-1,4-Dichloro-2-butene
Concen: 75.191 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

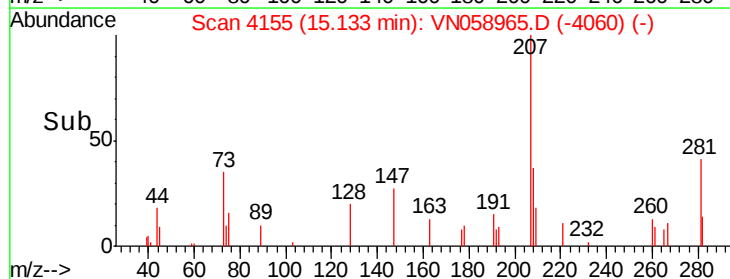
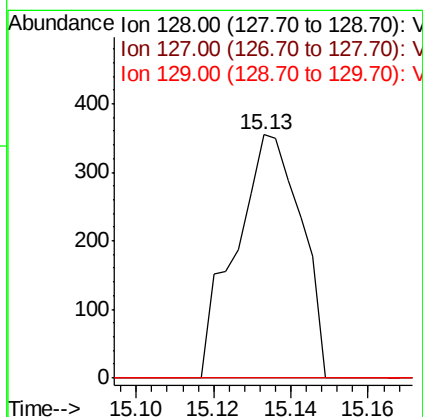
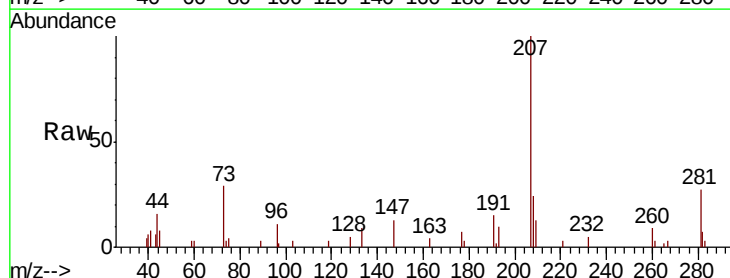
Instrument :
MSVOA_N
ClientSampled :

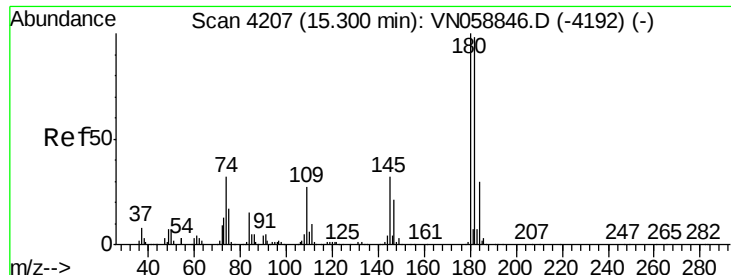
Tot Ion: 75 Resp: 120795
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.0 35.4 53.0#



#95
Naphthalene
Concen: 2.264 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058965.D
Acq: 24 Oct 2019 16:40

Tgt Ion: 128 Resp: 418
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.4 12.6#





#96

1,2,3-Trichlorobenzene

Concen: 2.404 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN058965.D

Acq: 24 Oct 2019 16:40

Instrument :

MSVOA_N

ClientSampleId :

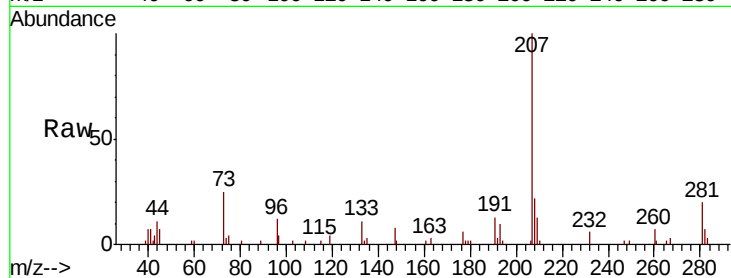
Tot Ion:180 Resp: 34

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

145 0.0 15.9 47.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

