

Data File : VN057066.D
Acq On : 2 Aug 2019 15:05
Operator : JC/SP
Sample : K4119-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0712

Quant Time: Aug 03 04:24:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	547853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	782136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	646205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	308023	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.58	113	278073	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
50) Toluene-d8	10.08	98	1040252	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.40	95	264465	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds

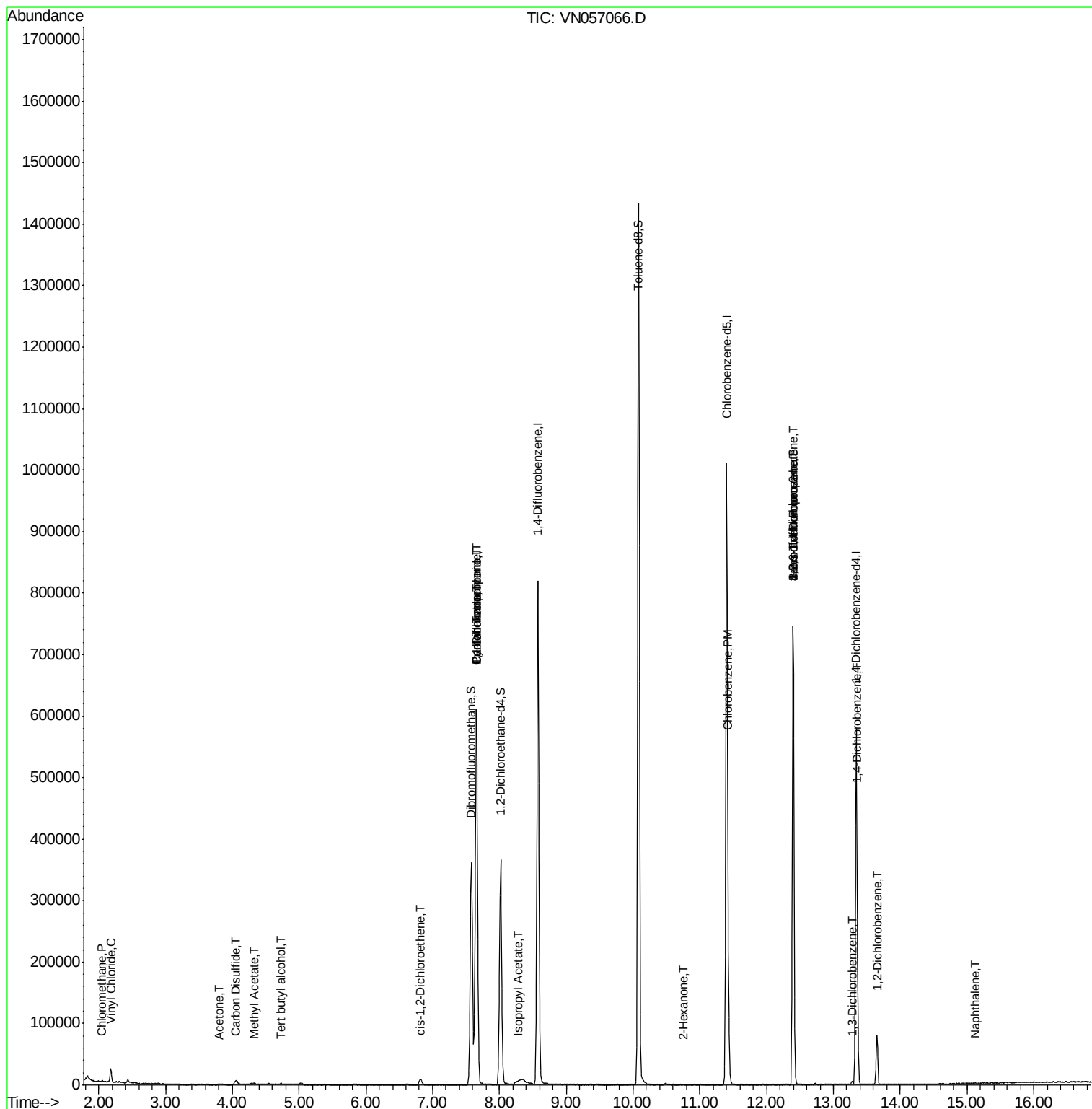
						Qvalue
3) Chloromethane	2.06	50	1615	0.244	ug/l	98
4) Vinyl Chloride	2.18	62	19948	3.208	ug/l	92
11) Tert butyl alcohol	4.74	59	392	0.517	ug/l #	74
16) Acetone	3.80	43	493	0.243	ug/l	91
17) Carbon Disulfide	4.04	76	7795	0.609	ug/l	97
18) Methyl Acetate	4.33	43	1844	0.285	ug/l #	51
27) cis-1,2-Dichloroethene	6.82	96	6510	1.076	ug/l	86
31) Cyclohexane	7.65	56	9203	0.999	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34694	5.041	ug/l #	48
38) Carbon Tetrachloride	7.66	117	47384	7.279	ug/l #	17
43) Isopropyl Acetate	8.27	43	5737	0.630	ug/l #	52
59) 2-Hexanone	10.75	43	119	2.528	ug/l #	23
65) Chlorobenzene	11.43	112	58850	4.468	ug/l	99
71) Bromoform	12.40	173	2192	0.633	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	122869	35.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	122869	114.224	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2763	0.473	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	41915	7.457	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	38467	6.694	ug/l	98
95) Naphthalene	15.13	128	64	3.596	ug/l #	70

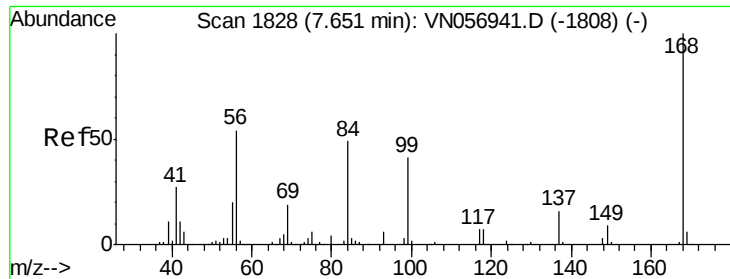
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057066.D
Acq On : 2 Aug 2019 15:05
Operator : JC/SP
Sample : K4119-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0712

Quant Time: Aug 03 04:24:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampled :

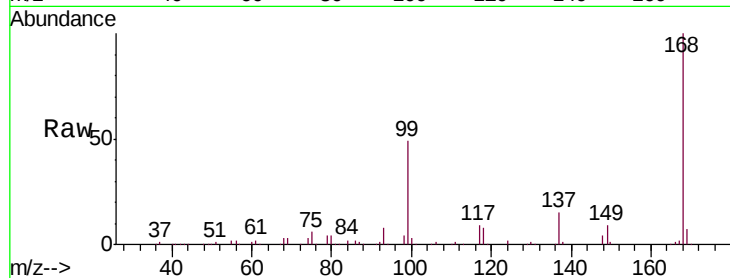
Z3-0712

Tgt Ion:168 Resp: 547853

Ion Ratio Lower Upper

168 100

99 49.4 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

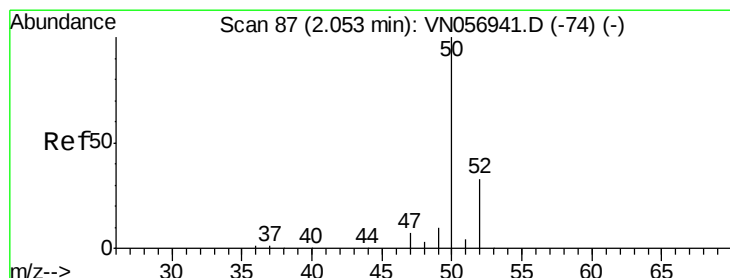
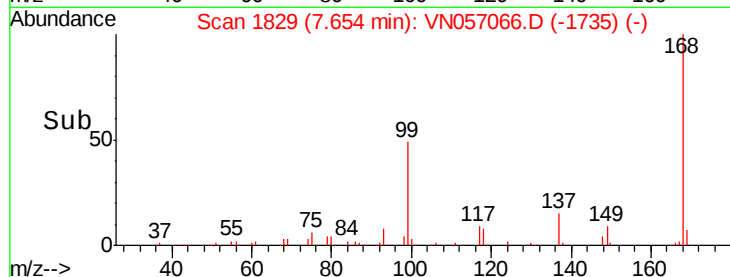
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057066.D

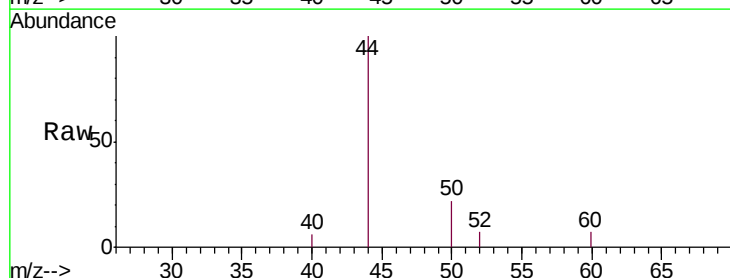
Acq: 2 Aug 2019 15:05

Tgt Ion: 50 Resp: 1615

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

1200

1000

800

600

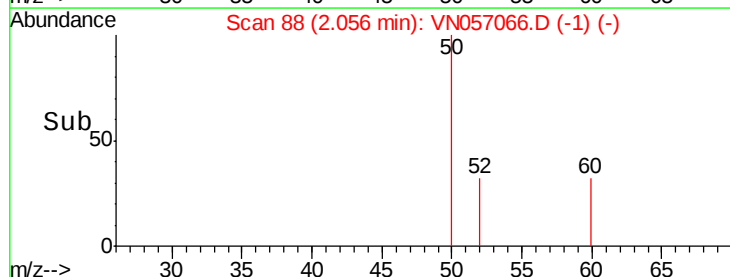
400

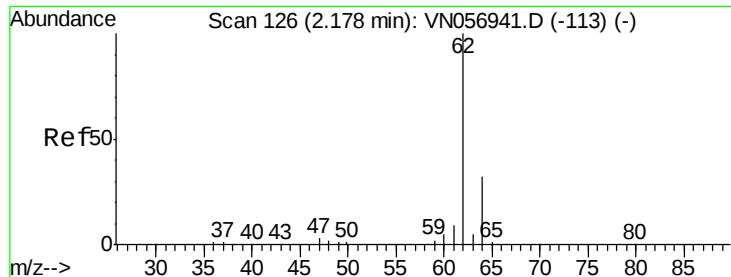
200

0

2.02 2.04 2.06 2.08

Time-->





#4

Vinyl Chloride

Concen: 3.208 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampled :

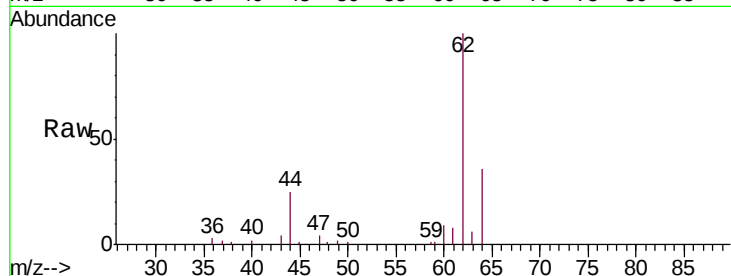
Z3-0712

Tgt Ion: 62 Resp: 19948

Ion Ratio Lower Upper

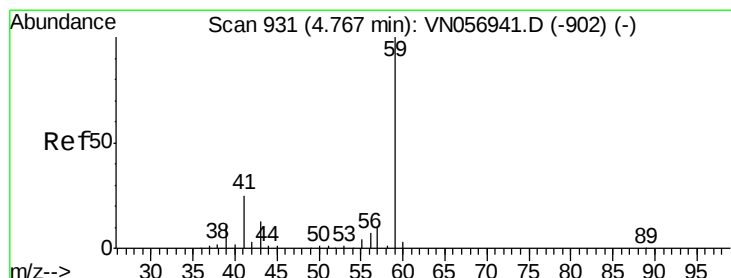
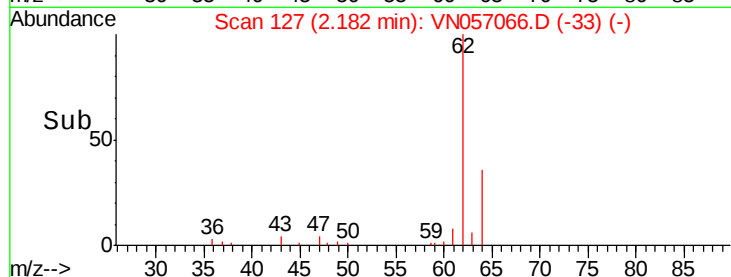
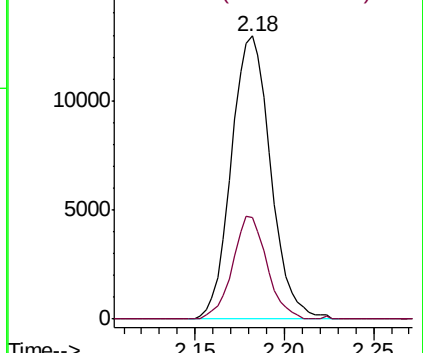
62 100

64 35.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN056941.D (-113) (-)

Ion 63.90 (63.60 to 64.60): VN056941.D (-113) (-)



#11

Tert butyl alcohol

Concen: 0.517 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.03 min

Lab File: VN057066.D

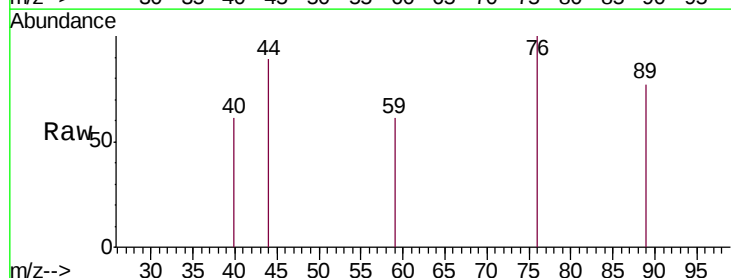
Acq: 2 Aug 2019 15:05

Tgt Ion: 59 Resp: 392

Ion Ratio Lower Upper

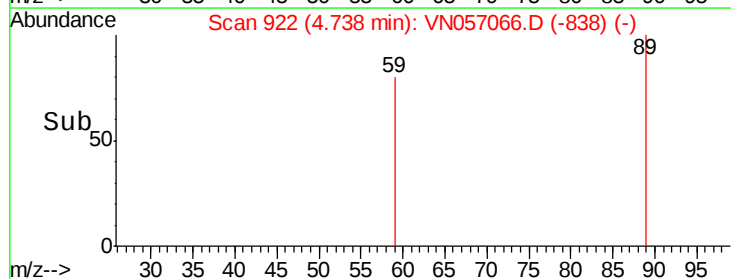
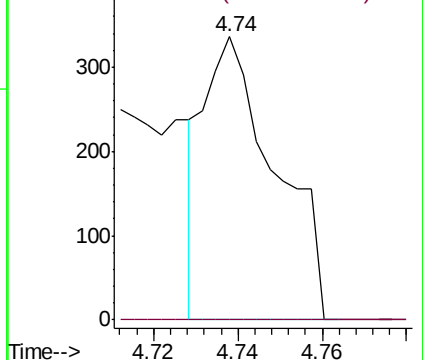
59 100

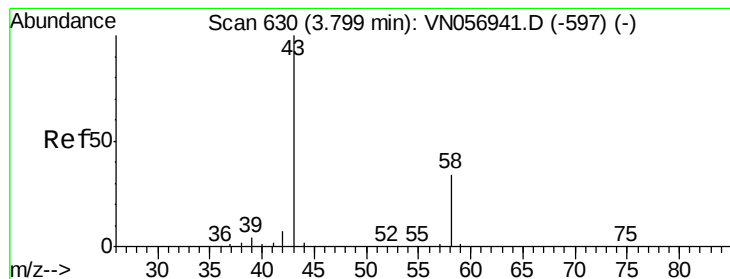
57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN056941.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN056941.D (-902) (-)





#16

Acetone

Concen: 0.243 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampled :

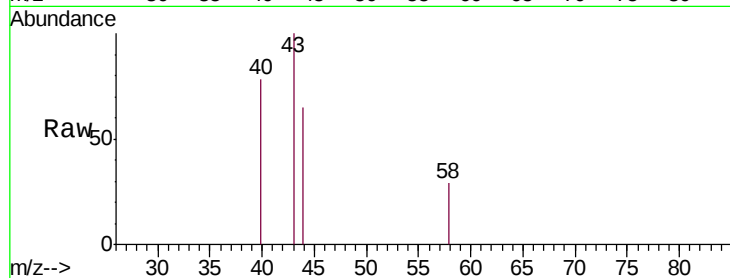
Z3-0712

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

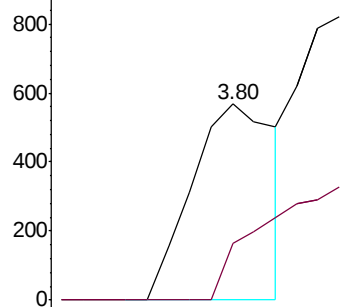
43 100

58 29.0 27.2 40.8

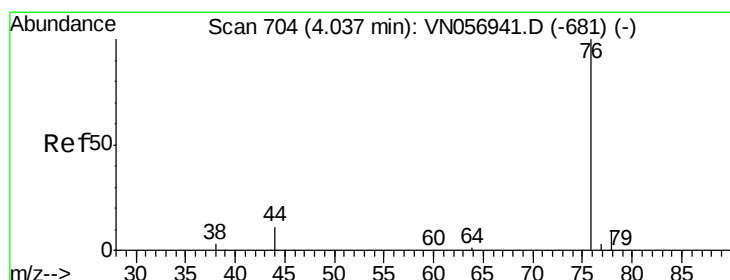
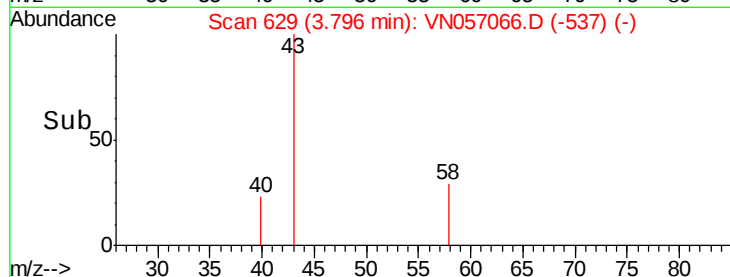


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.77 3.78 3.79 3.80 3.81



#17

Carbon Disulfide

Concen: 0.609 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VN057066.D

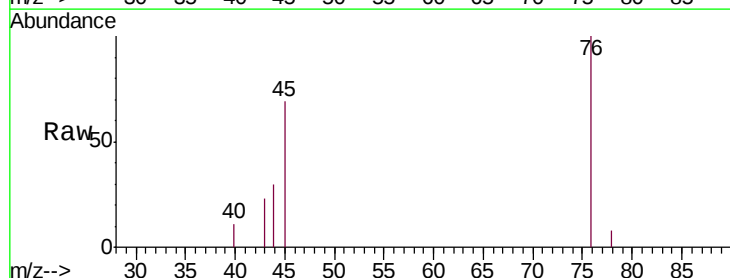
Acq: 2 Aug 2019 15:05

Tgt Ion: 76 Resp: 7795

Ion Ratio Lower Upper

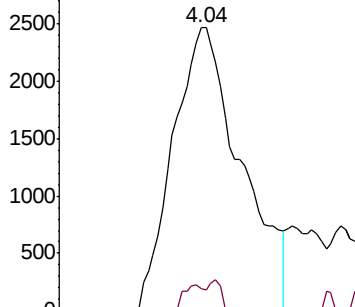
76 100

78 7.8 7.2 10.8

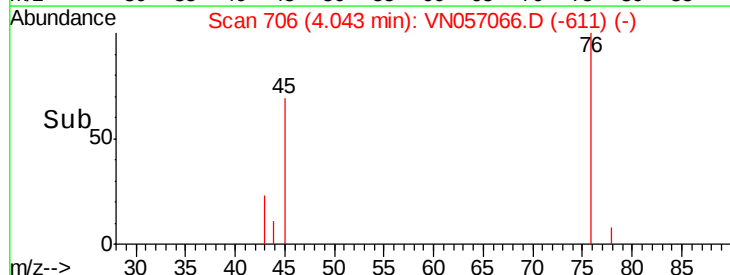


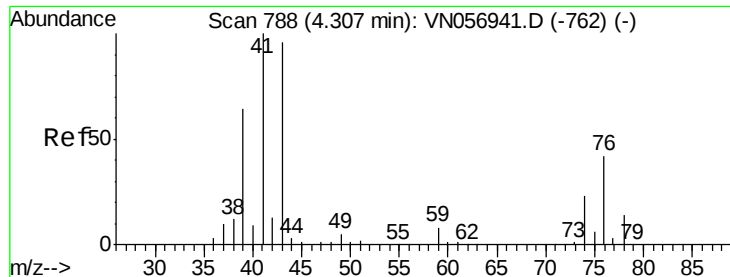
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 3.95 4.00 4.05 4.10





#18

Methyl Acetate

Concen: 0.285 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.02 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampled :

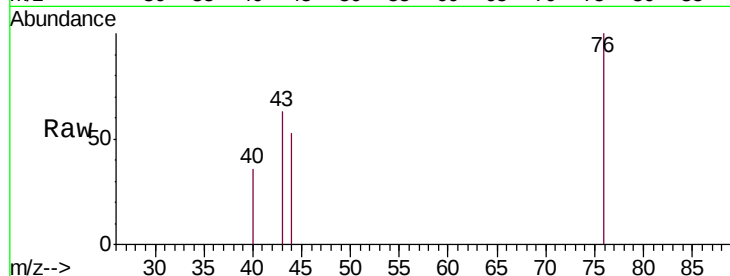
Z3-0712

Tgt Ion: 43 Resp: 1844

Ion Ratio Lower Upper

43 100

74 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN057066.D (-695) (-)

Ion 74.00 (73.70 to 74.70): VN057066.D (-695) (-)

4.33

600

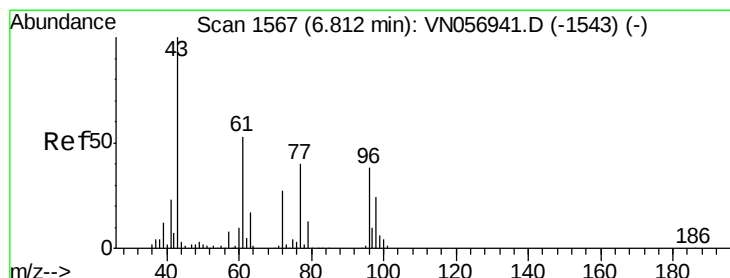
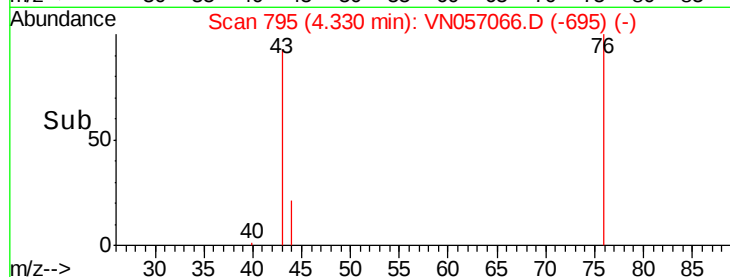
400

200

0

4.25 4.30 4.35 4.40

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.076 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

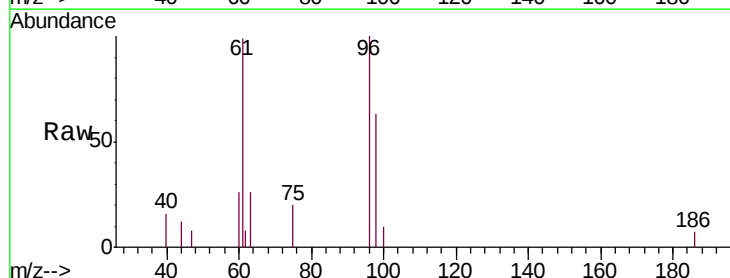
Tgt Ion: 96 Resp: 6510

Ion Ratio Lower Upper

96 100

61 116.6 0.0 277.2

98 59.1 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN057066.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN057066.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN057066.D (-1474) (-)

6.82

3000

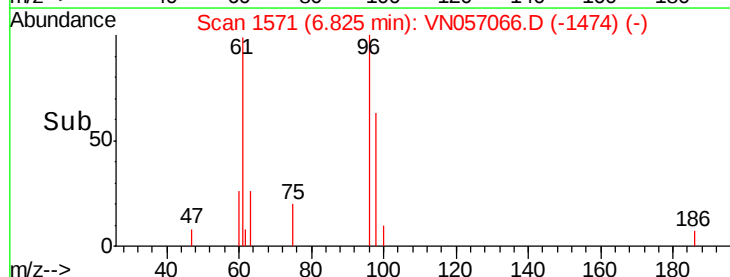
2000

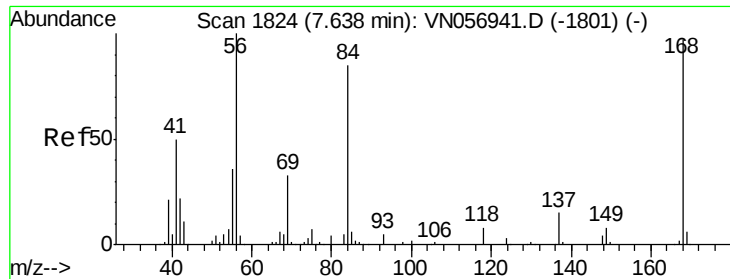
1000

0

6.75 6.80 6.85 6.90

Time-->

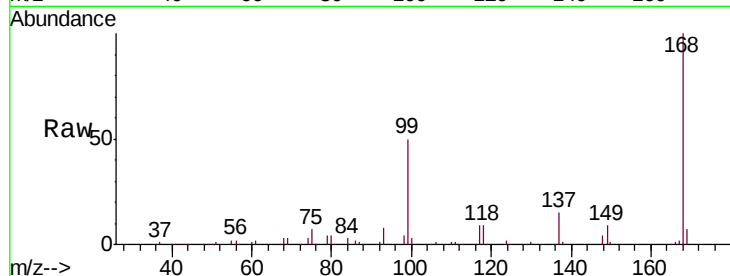




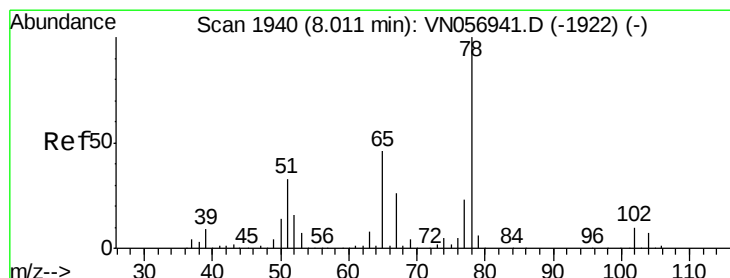
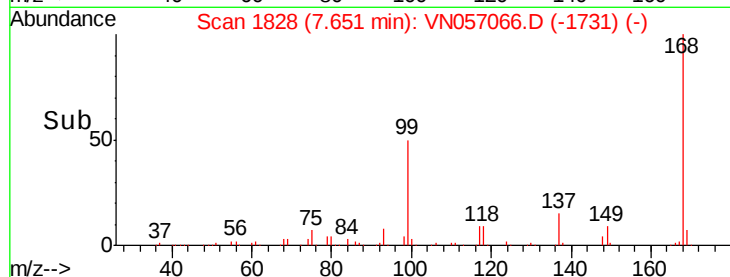
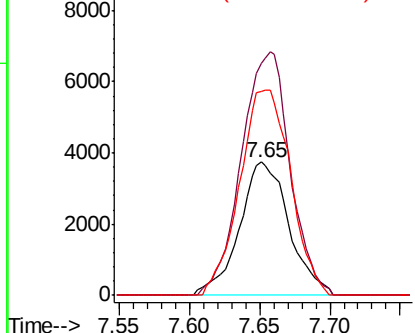
#31
Cyclohexane
Concen: 0.999 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Instrument :
MSVOA_N
ClientSampled :
Z3-0712

Tgt Ion: 56 Resp: 9203
Ion Ratio Lower Upper
56 100
69 174.6 26.2 39.2#
84 153.6 68.2 102.2#

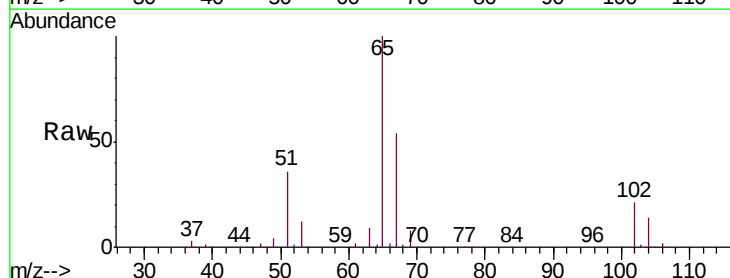


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

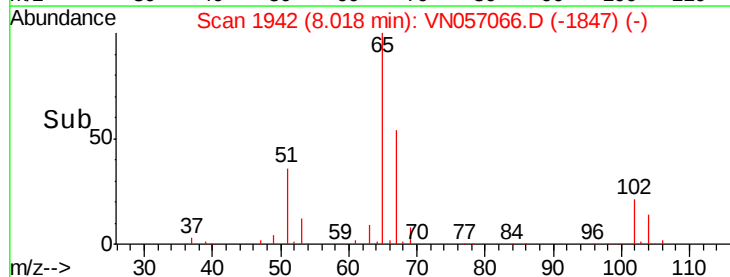
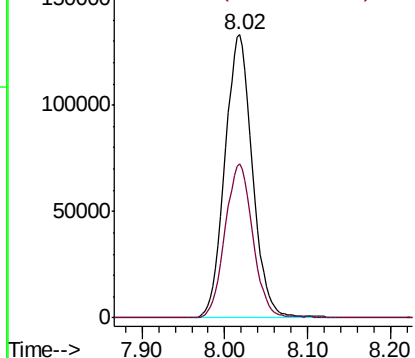


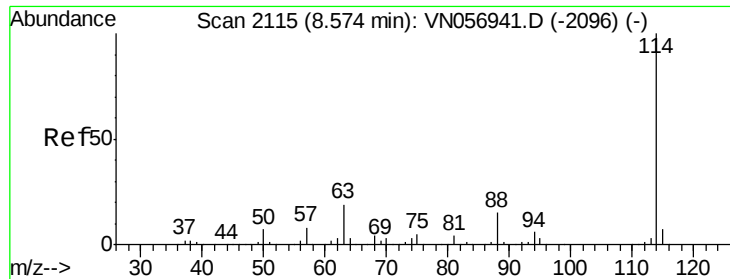
#33
1,2-Dichloroethane-d4
Concen: 54.925 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.01 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Tgt Ion: 65 Resp: 308023
Ion Ratio Lower Upper
65 100
67 54.8 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

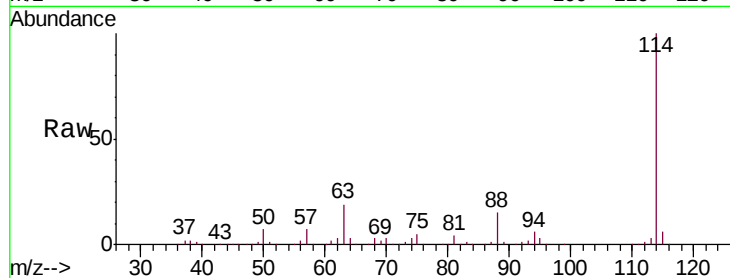




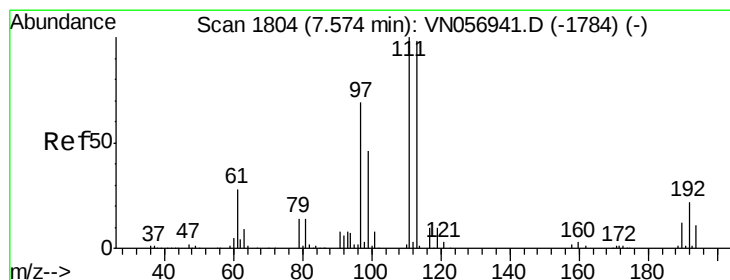
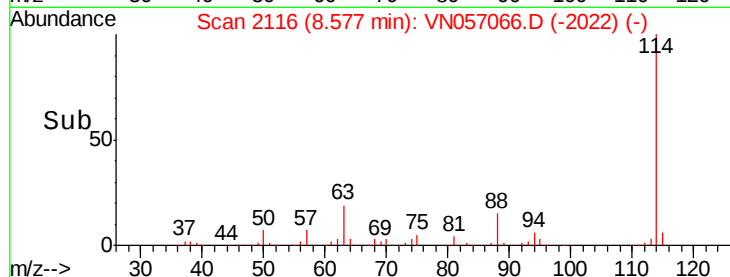
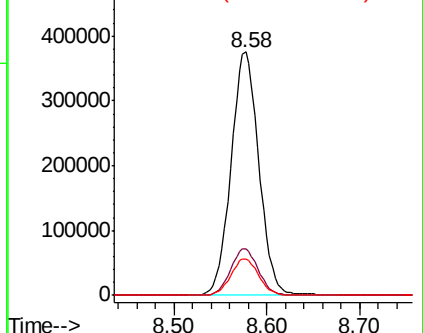
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0712

Tgt Ion:114 Resp: 782136
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.0
 88 15.1 0.0 30.0

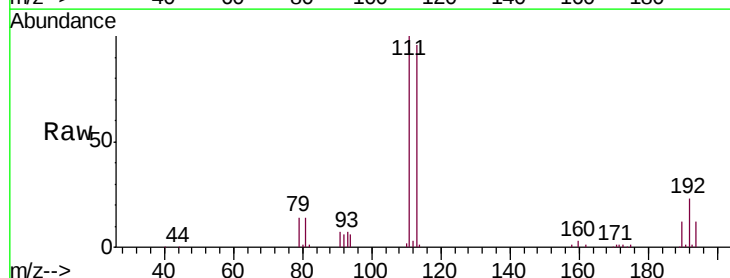


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

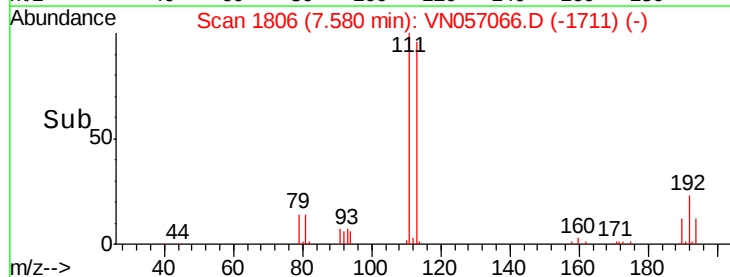
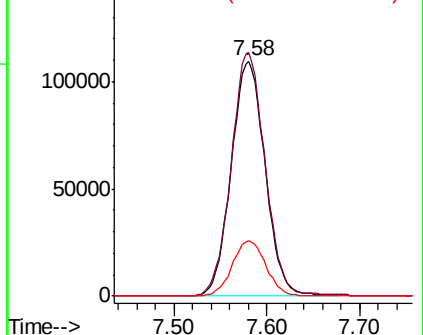


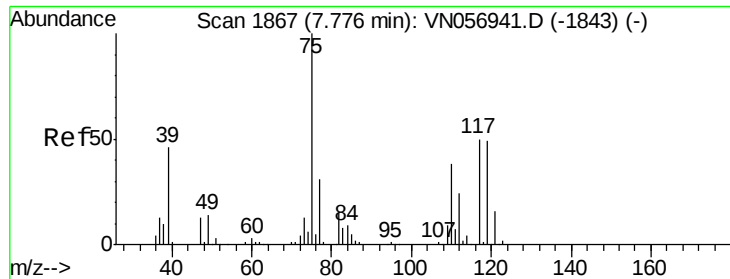
#35
 Dibromofluoromethane
 Concen: 55.537 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

Tgt Ion:113 Resp: 278073
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.0 123.0
 192 23.4 18.4 27.6



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

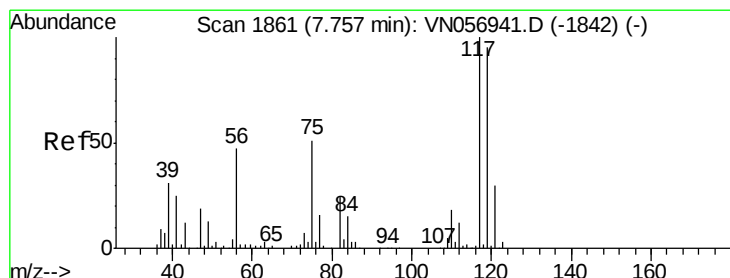
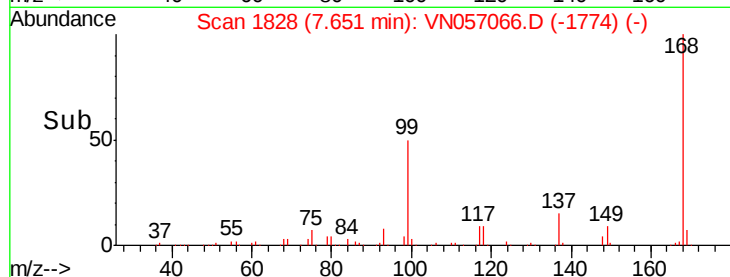
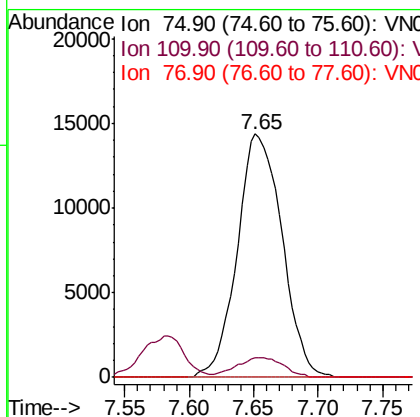
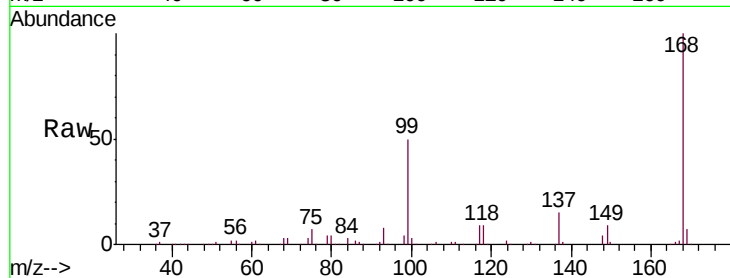




#36
 1,1-Dichloropropene
 Concen: 5.041 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

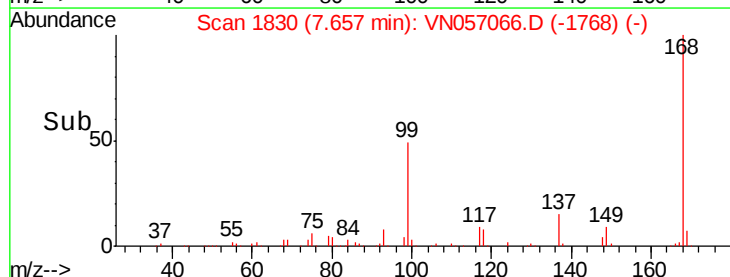
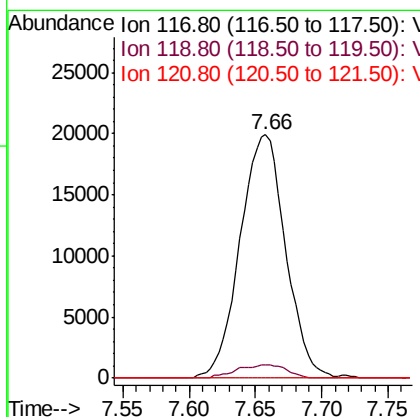
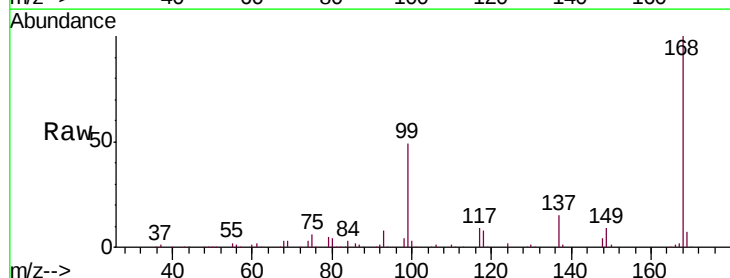
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0712

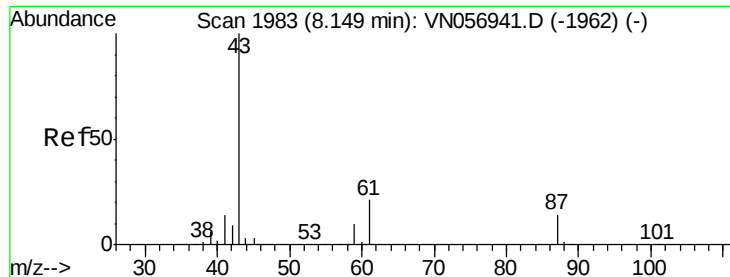
Tgt Ion: 75 Resp: 34694
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.6 55.8#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 7.279 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

Tgt Ion: 117 Resp: 47384
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.3 112.9#
 121 0.0 24.2 36.4#

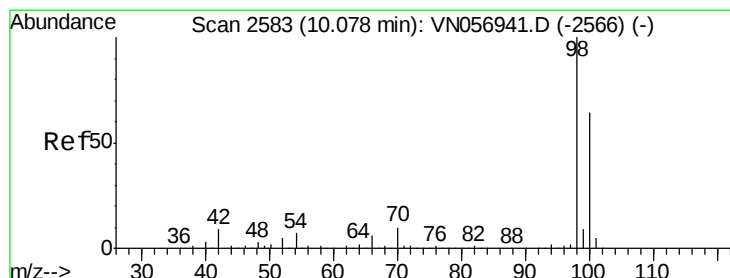
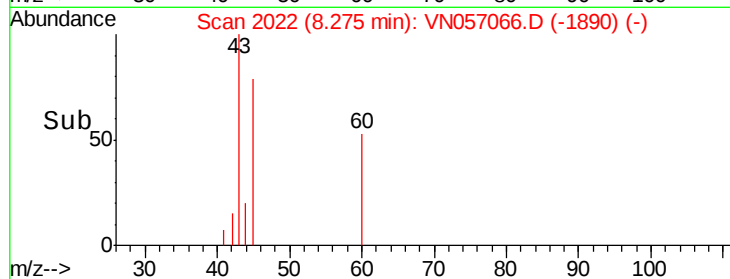
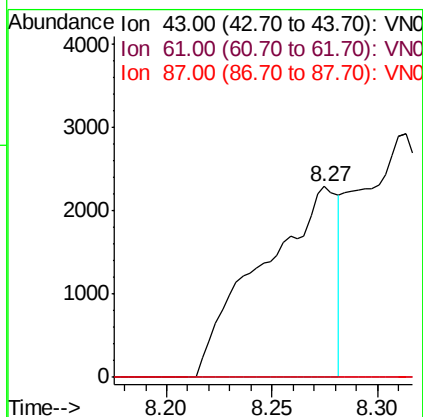
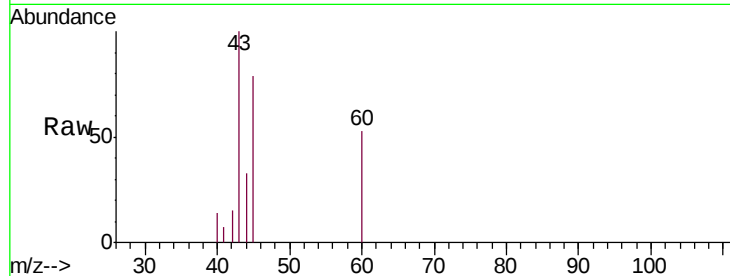




#43
Isopropyl Acetate
Concen: 0.630 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.13 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

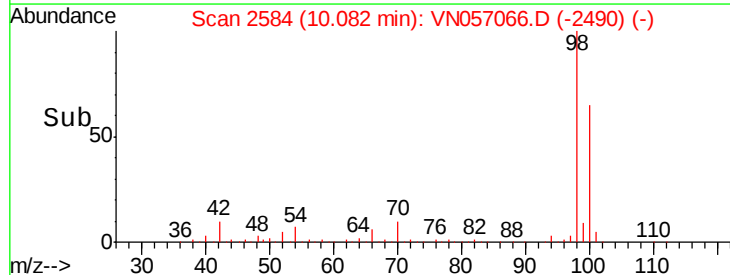
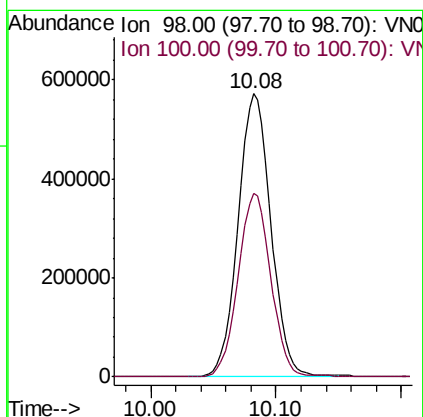
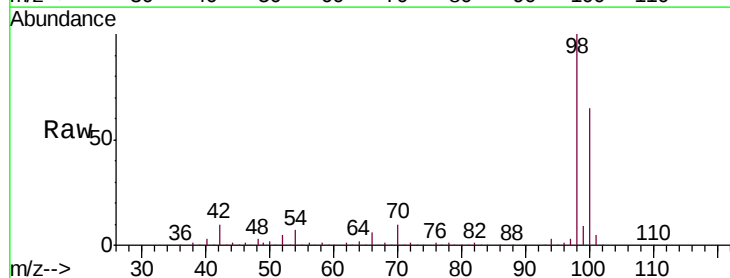
Instrument :
MSVOA_N
ClientSampleId :
Z3-0712

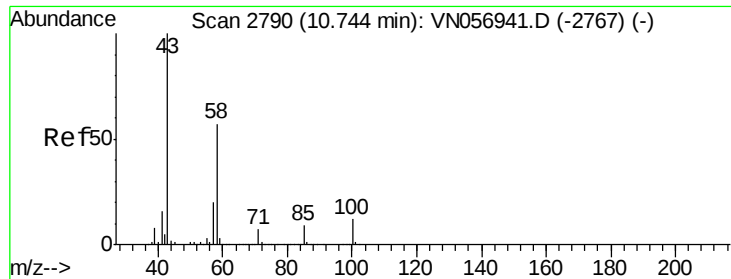
Tgt Ion: 43 Resp: 5737
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#
87 0.0 11.7 17.5#



#50
Toluene-d8
Concen: 54.481 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Tgt Ion: 98 Resp: 1040252
Ion Ratio Lower Upper
98 100
100 64.9 51.3 76.9

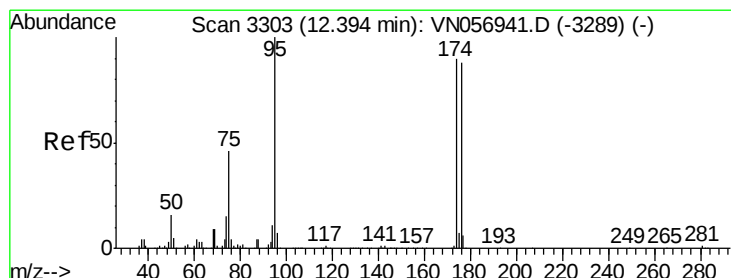
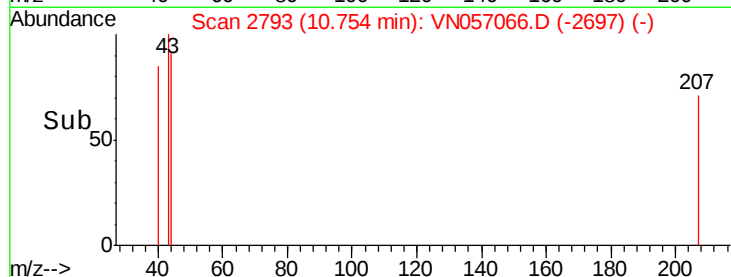
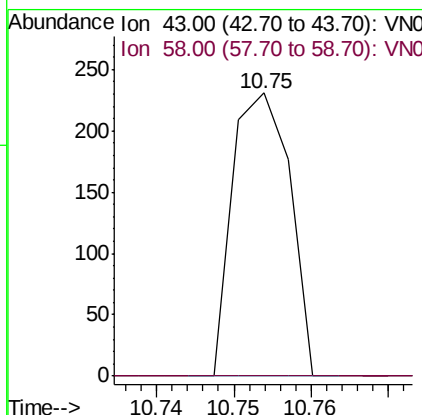
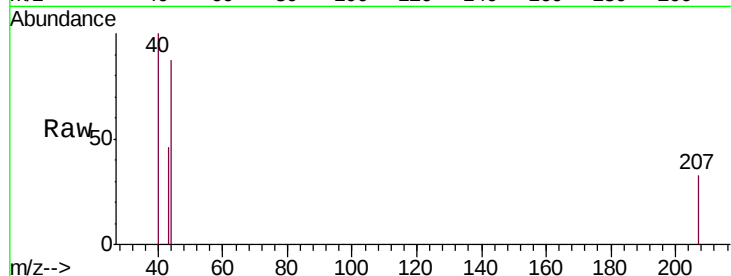




#59
2-Hexanone
Concen: 2.528 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

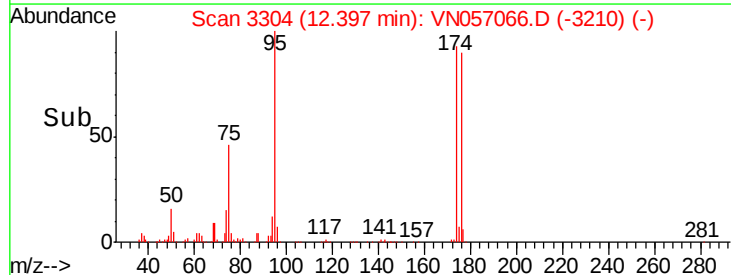
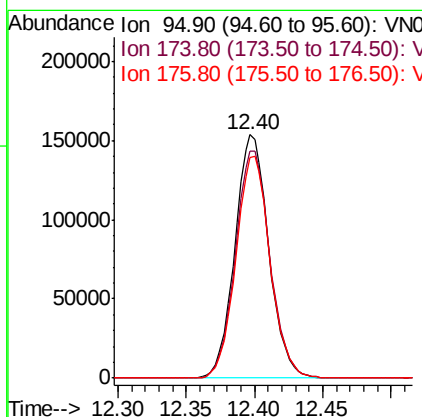
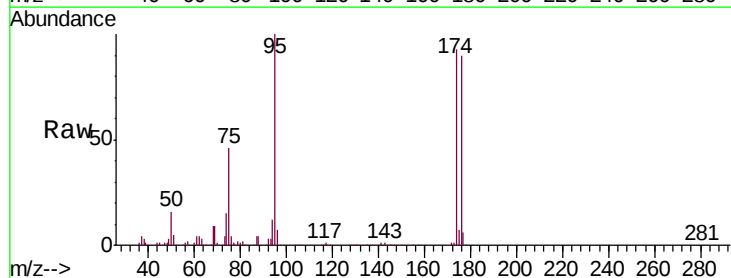
Instrument :
MSVOA_N
ClientSampled :
Z3-0712

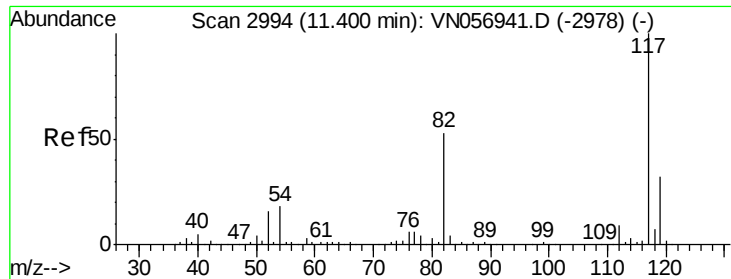
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 42.546 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Tgt Ion: 95 Resp: 264465
Ion Ratio Lower Upper
95 100
174 95.4 0.0 182.2
176 92.1 0.0 179.4

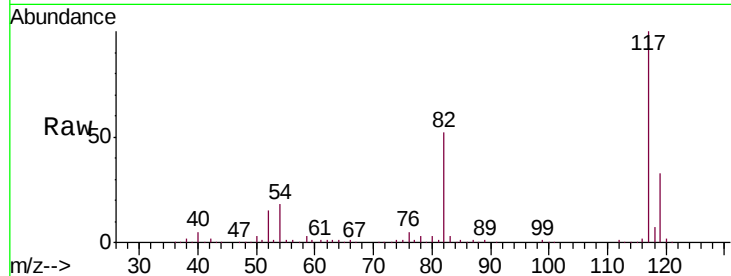




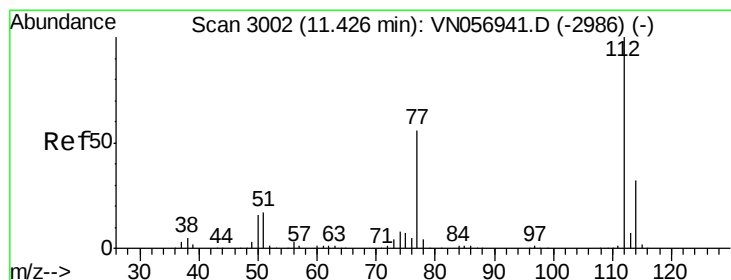
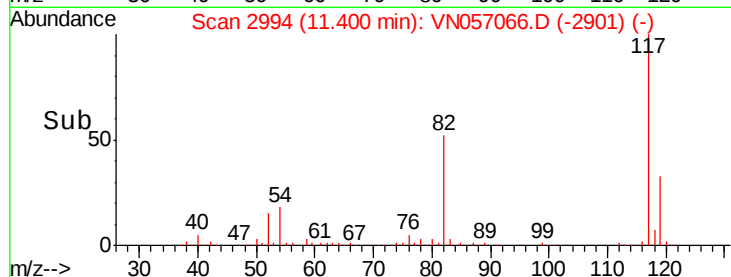
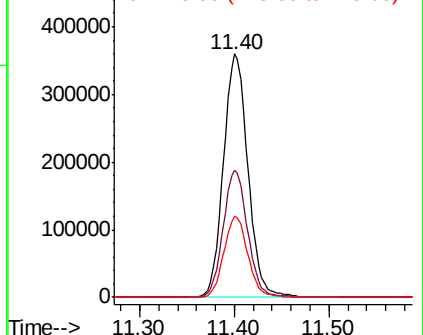
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Instrument :
MSVOA_N
ClientSampleId :
Z3-0712

Tgt Ion:117 Resp: 646205
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 33.4 25.8 38.6

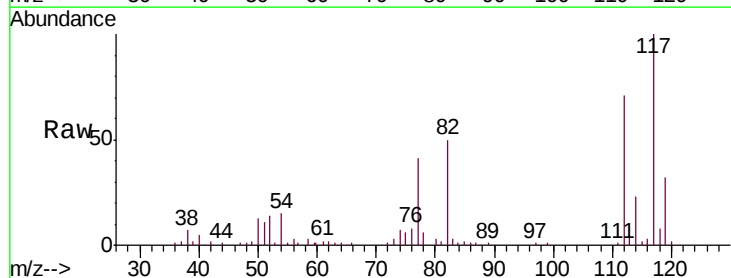


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

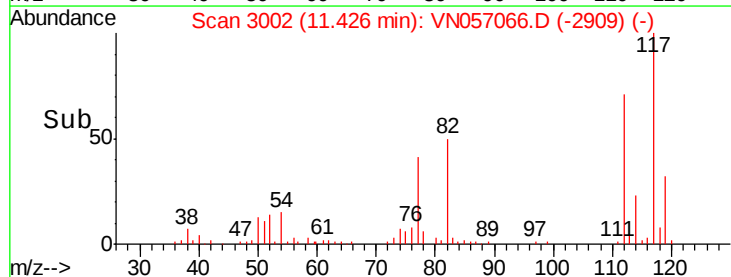
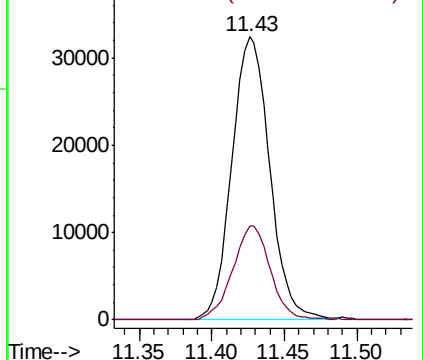


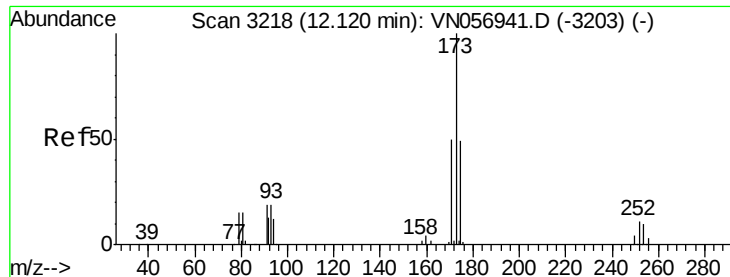
#65
Chlorobenzene
Concen: 4.468 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Tgt Ion:112 Resp: 58850
Ion Ratio Lower Upper
112 100
114 33.0 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

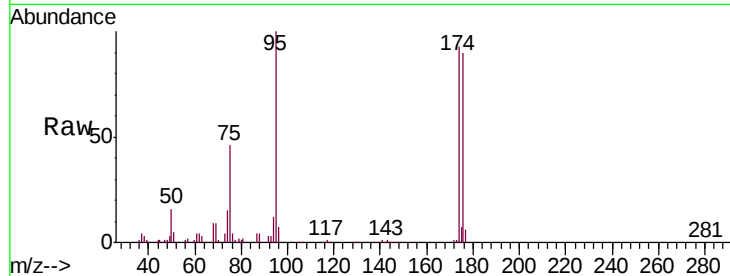




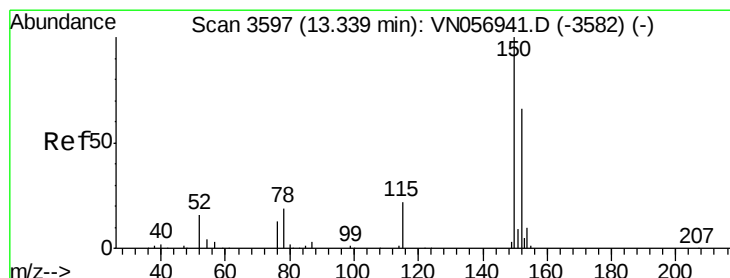
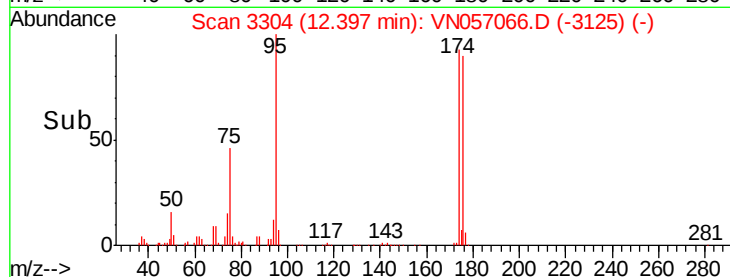
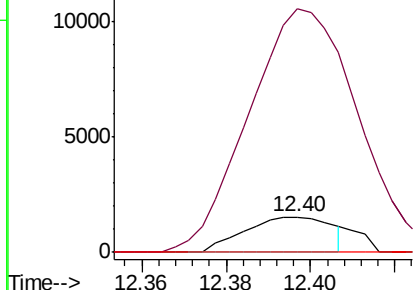
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Instrument :
MSVOA_N
ClientSampled :
Z3-0712

Tgt Ion:173 Resp: 2192
Ion Ratio Lower Upper
173 100
175 685.9 24.1 72.4#
254 0.0 0.1 0.1#

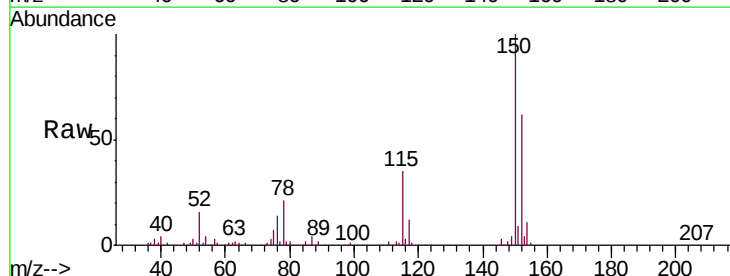


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

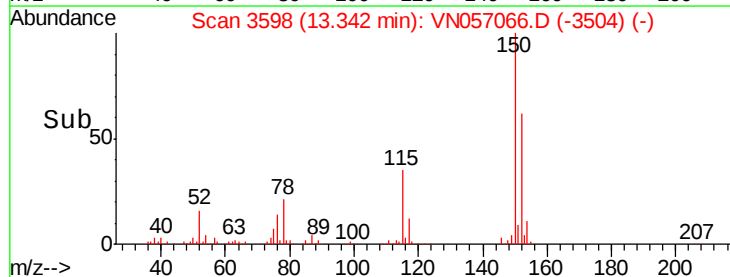
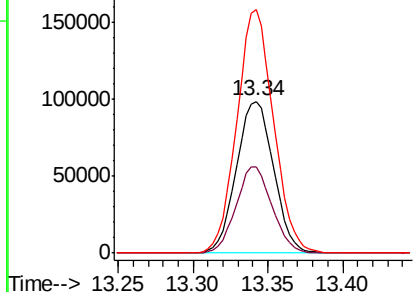


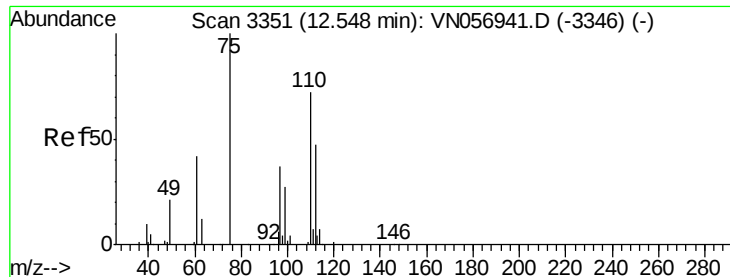
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057066.D
Acq: 2 Aug 2019 15:05

Tgt Ion:152 Resp: 170183
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.6
150 158.5 0.0 349.4



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: 35.551 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampleId :

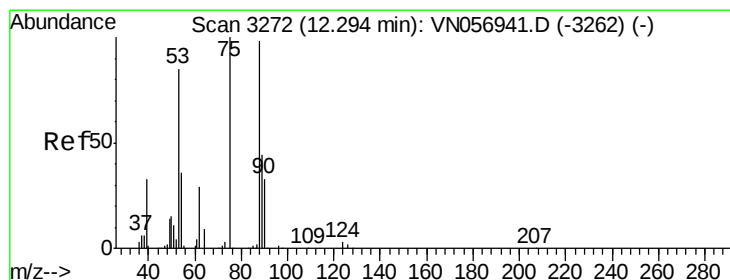
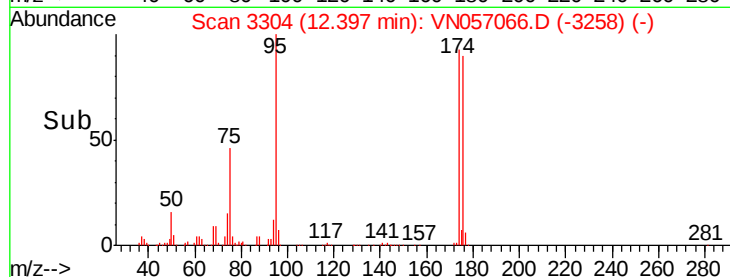
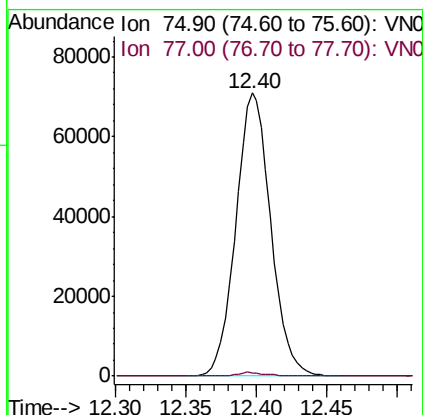
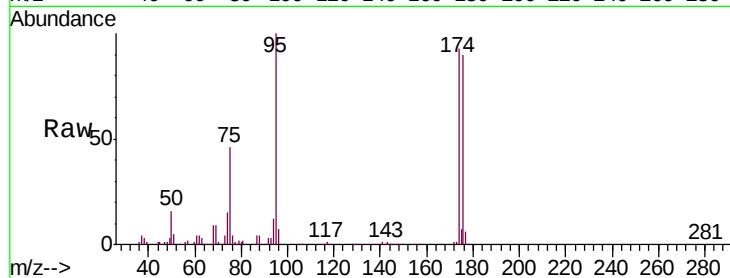
Z3-0712

Tgt Ion: 75 Resp: 122869

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.224 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

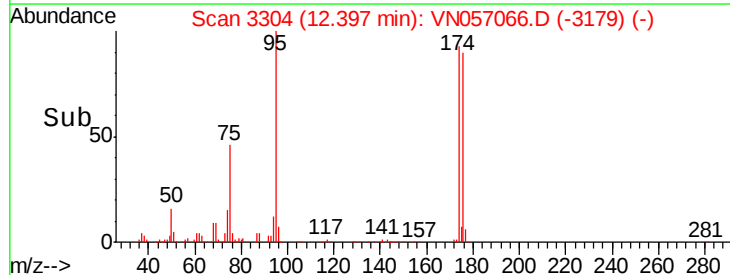
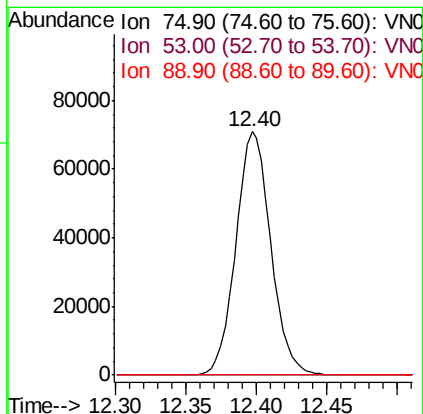
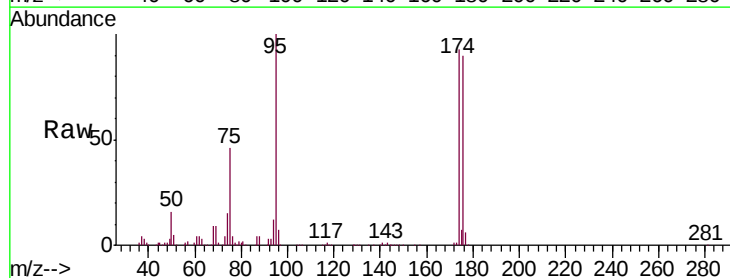
Tgt Ion: 75 Resp: 122869

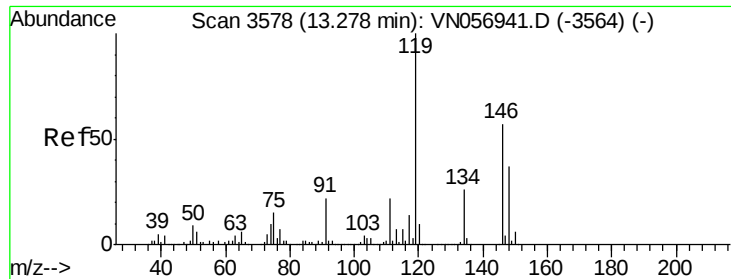
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

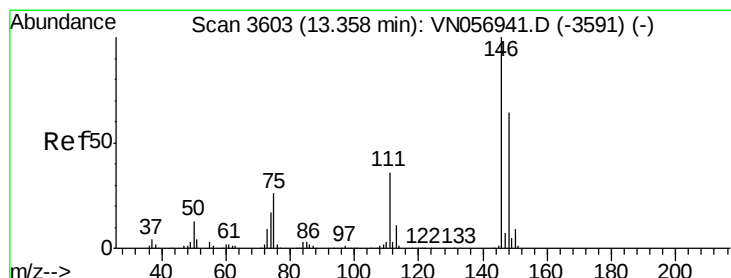
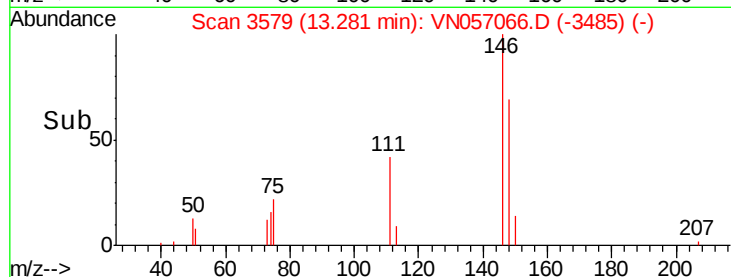
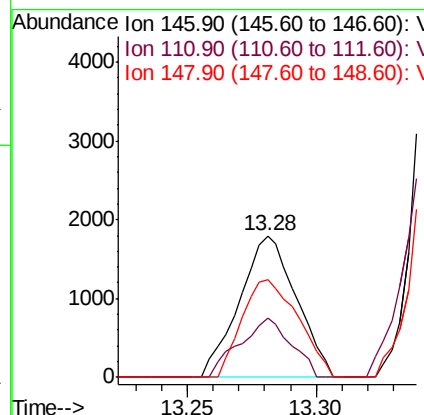
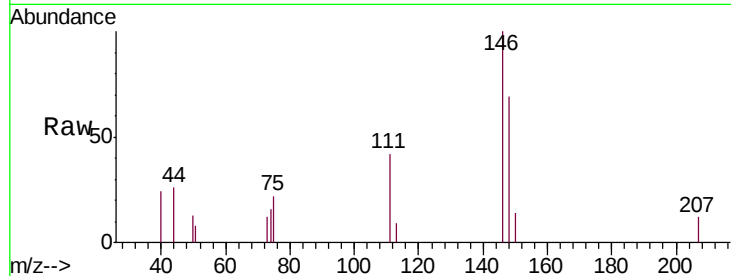




#87
 1,3-Dichlorobenzene
 Concen: 0.473 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

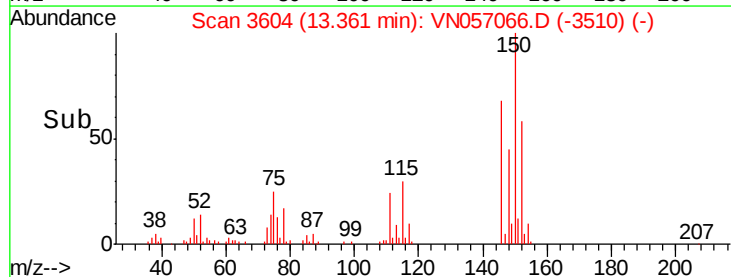
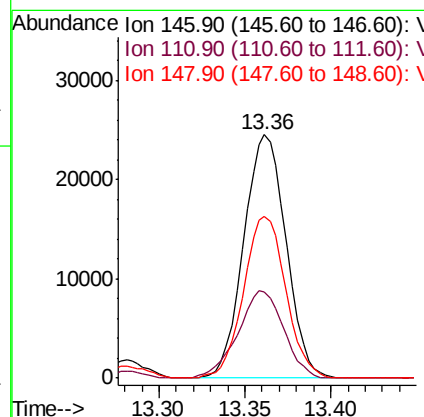
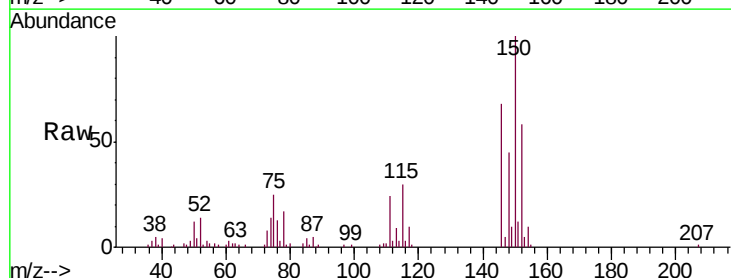
Instrument :
 MSVOA_N
 ClientSampled :
 Z3-0712

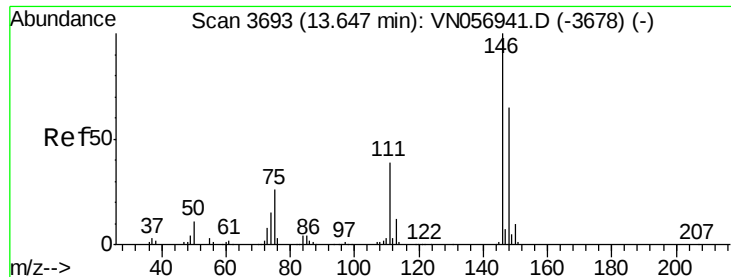
Tgt Ion:146 Resp: 2763
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 55.8
 148 68.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 7.457 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057066.D
 Acq: 2 Aug 2019 15:05

Tgt Ion:146 Resp: 41915
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.4 55.2
 148 66.5 32.3 96.9





#91

1,2-Dichlorobenzene

Concen: 6.694 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.01 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

Instrument :

MSVOA_N

ClientSampled :

Z3-0712

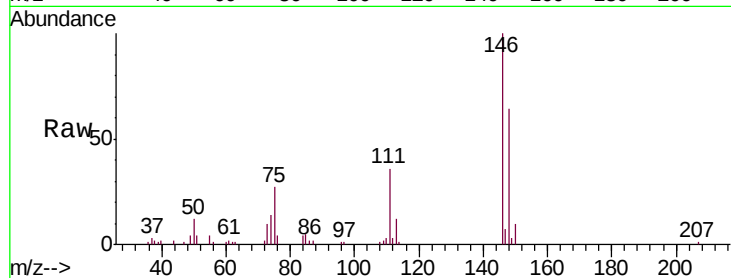
Tgt Ion:146 Resp: 38467

Ion Ratio Lower Upper

146 100

111 36.6 19.4 58.4

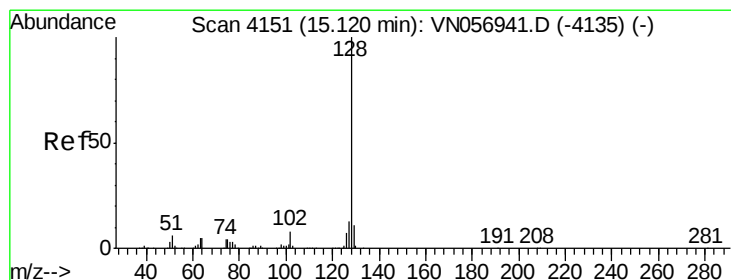
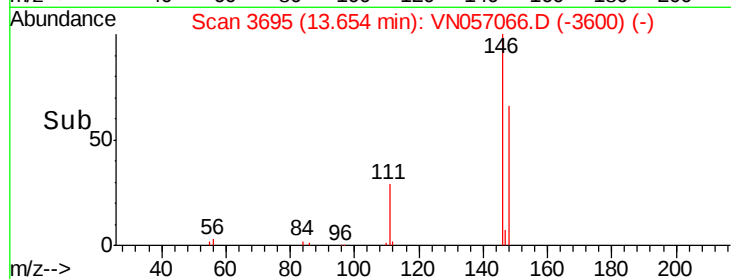
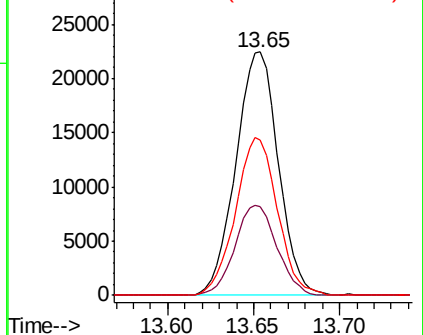
148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 3.596 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.01 min

Lab File: VN057066.D

Acq: 2 Aug 2019 15:05

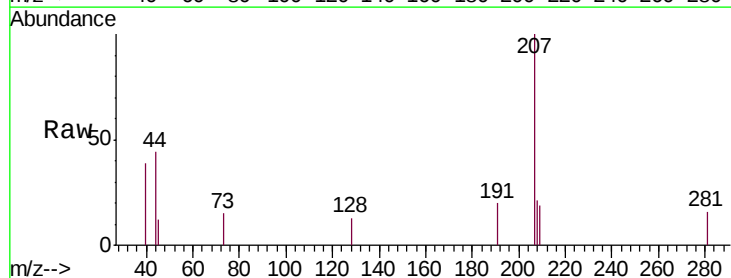
Tgt Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

