

Data File : VN057067.D
Acq On : 2 Aug 2019 15:28
Operator : JC/SP
Sample : K4119-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Z3-0713

Quant Time: Aug 03 04:24:44 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	7.66	168	557154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	800863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	661692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	189159	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	311555	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
35) Dibromofluoromethane	7.58	113	283356	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
50) Toluene-d8	10.08	98	1052146	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.40	95	283836	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

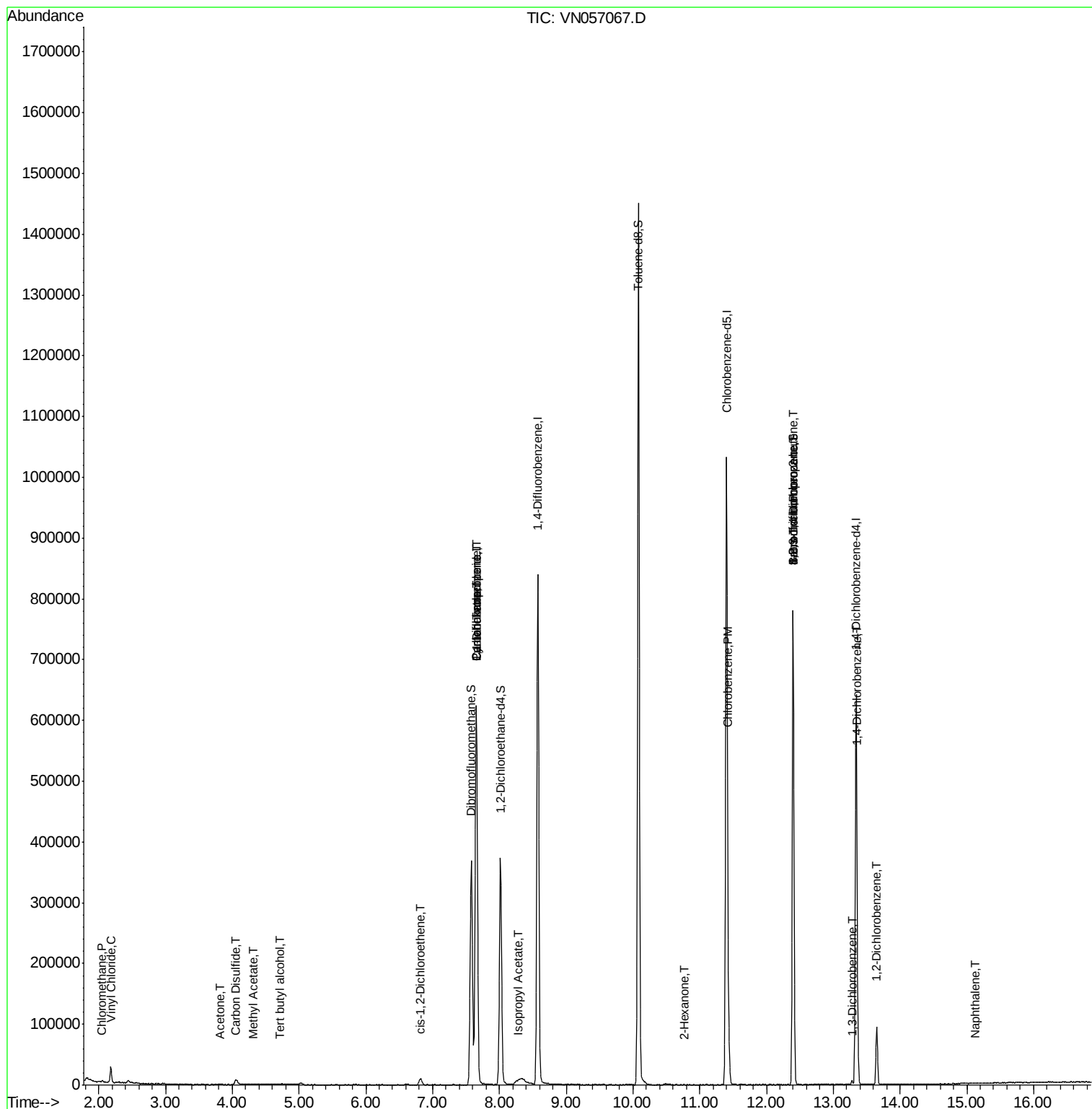
						Qvalue
3) Chloromethane	2.05	50	2422	0.359	ug/l	97
4) Vinyl Chloride	2.18	62	22695	3.589	ug/l	96
11) Tert butyl alcohol	4.72	59	672	0.872	ug/l #	74
16) Acetone	3.81	43	2485	1.203	ug/l #	82
17) Carbon Disulfide	4.05	76	4331	0.333	ug/l #	75
18) Methyl Acetate	4.32	43	2140	0.325	ug/l #	67
27) cis-1,2-Dichloroethene	6.82	96	7364	1.197	ug/l	82
31) Cyclohexane	7.66	56	9337	0.996	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35862	5.089	ug/l #	48
38) Carbon Tetrachloride	7.66	117	46468	6.971	ug/l #	17
43) Isopropyl Acetate	8.28	43	7414	0.795	ug/l #	52
59) 2-Hexanone	10.76	43	29	2.507	ug/l #	23
65) Chlorobenzene	11.43	112	63180	4.685	ug/l	99
71) Bromoform	12.40	173	2366	0.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	130879	34.070	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	130879	109.465	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	3841	0.592	ug/l	90
88) 1,4-Dichlorobenzene	13.36	146	48782	7.808	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	44964	7.039	ug/l	99
95) Naphthalene	15.12	128	31	3.591	ug/l #	70

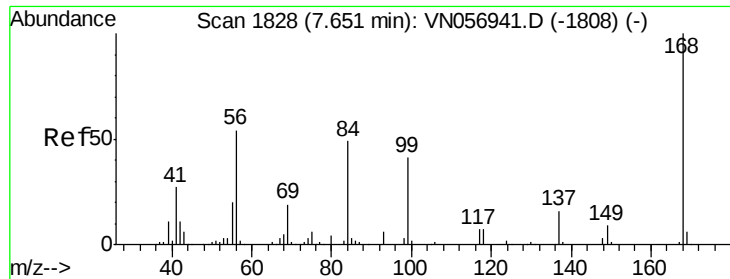
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

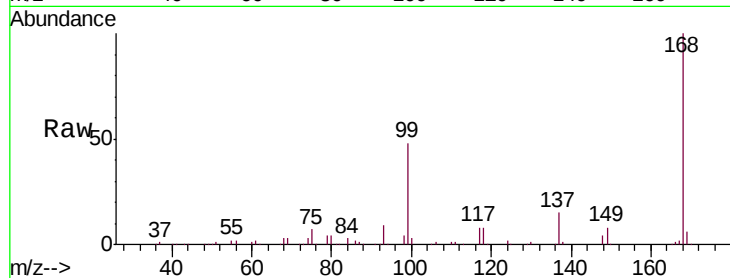
Z3-0713

Tgt Ion:168 Resp: 557154

Ion Ratio Lower Upper

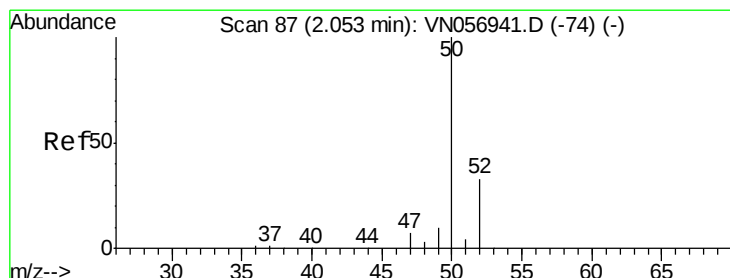
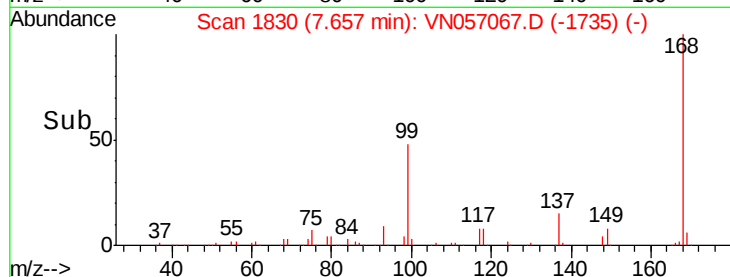
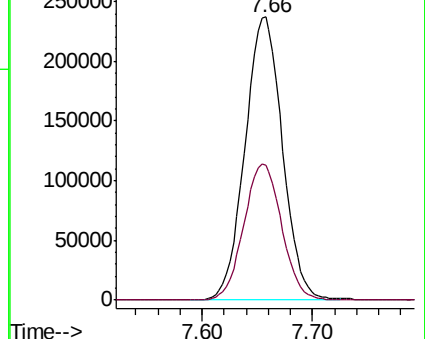
168 100

99 47.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.359 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057067.D

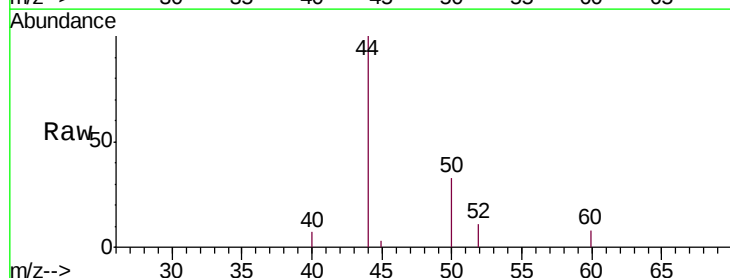
Acq: 2 Aug 2019 15:28

Tgt Ion: 50 Resp: 2422

Ion Ratio Lower Upper

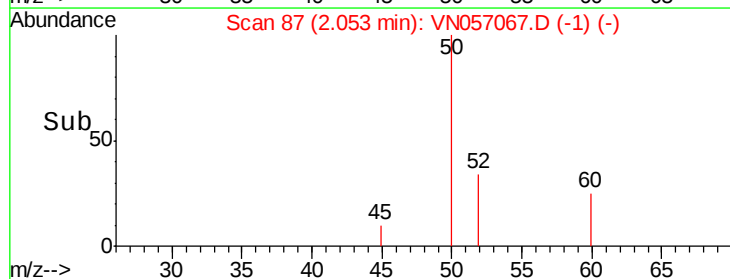
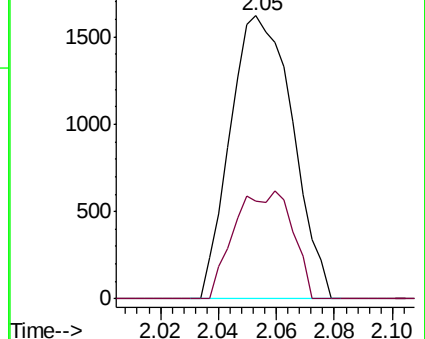
50 100

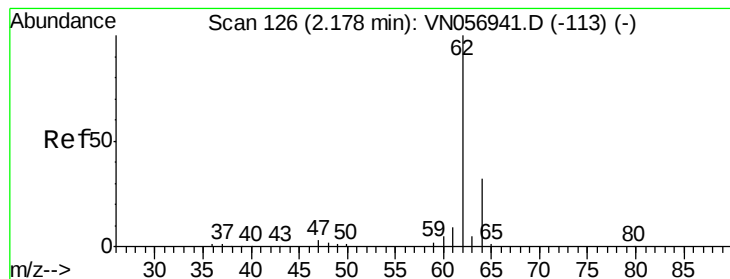
52 34.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 3.589 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

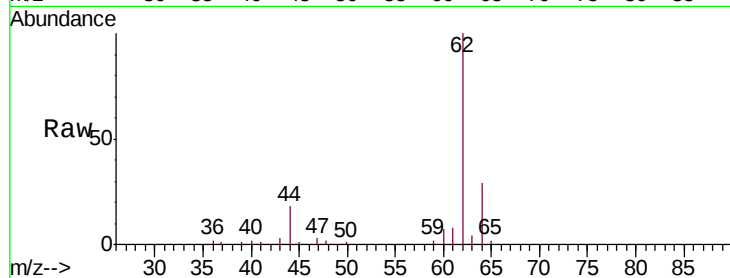
Z3-0713

Tgt Ion: 62 Resp: 22695

Ion Ratio Lower Upper

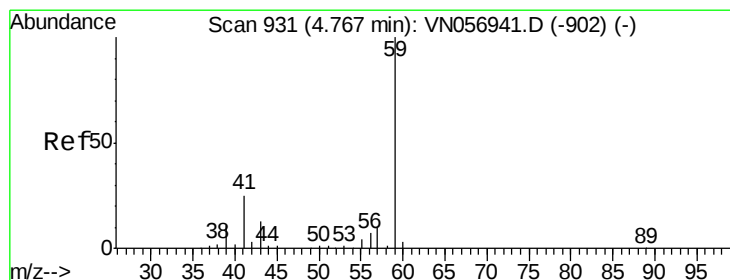
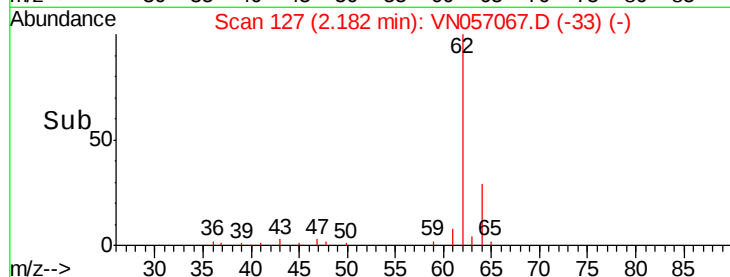
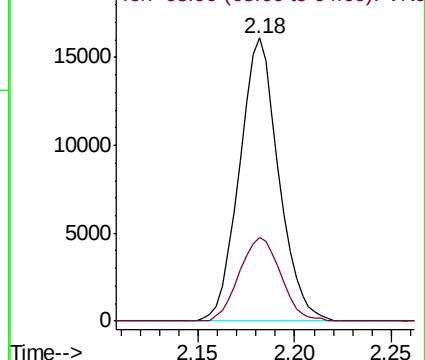
62 100

64 29.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#11

Tert butyl alcohol

Concen: 0.872 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.04 min

Lab File: VN057067.D

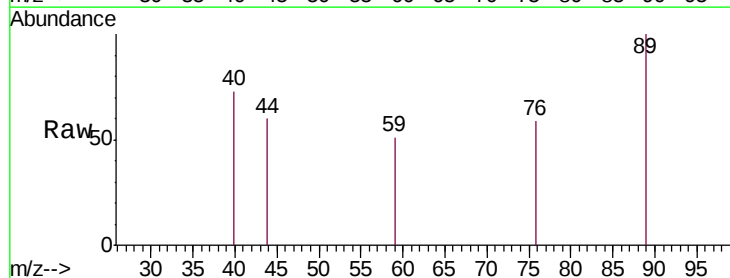
Acq: 2 Aug 2019 15:28

Tgt Ion: 59 Resp: 672

Ion Ratio Lower Upper

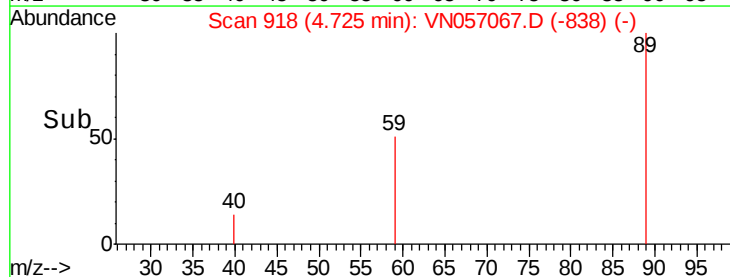
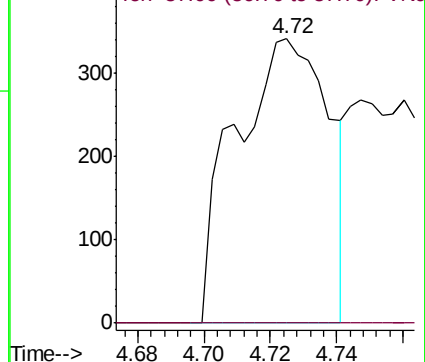
59 100

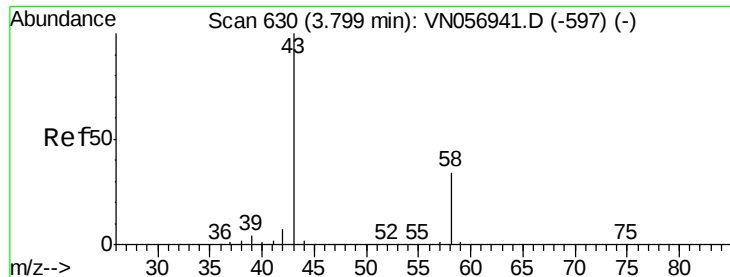
57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 1.203 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

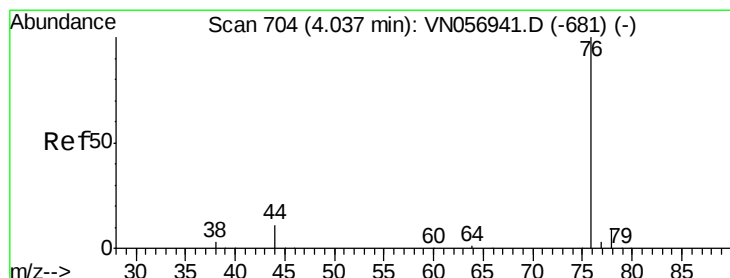
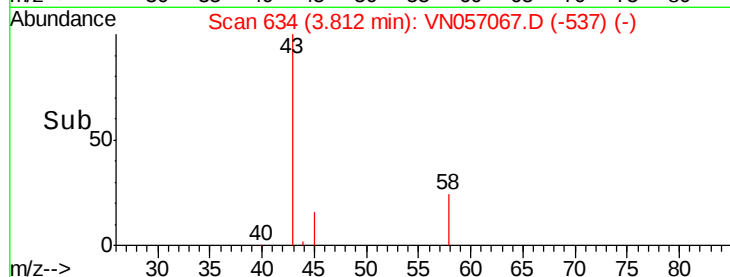
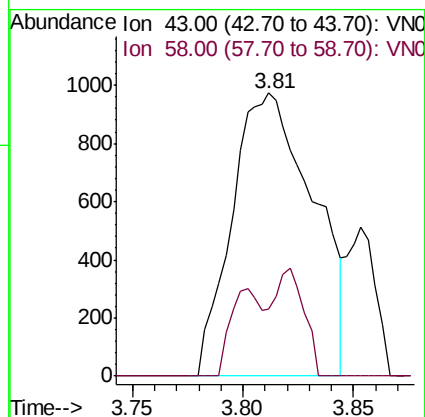
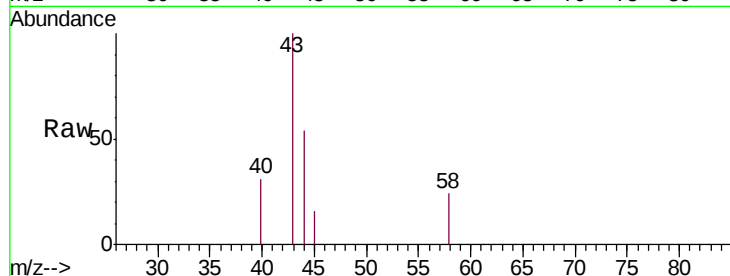
Z3-0713

Tgt Ion: 43 Resp: 2485

Ion Ratio Lower Upper

43 100

58 23.6 27.2 40.8#



#17

Carbon Disulfide

Concen: 0.333 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN057067.D

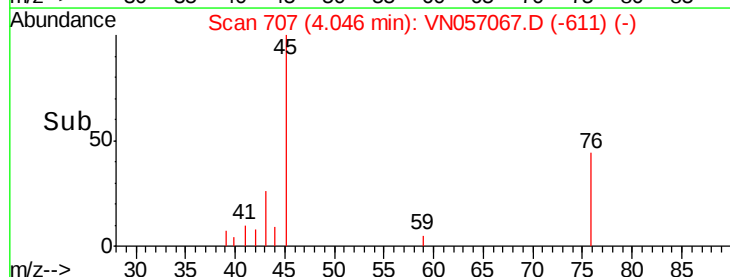
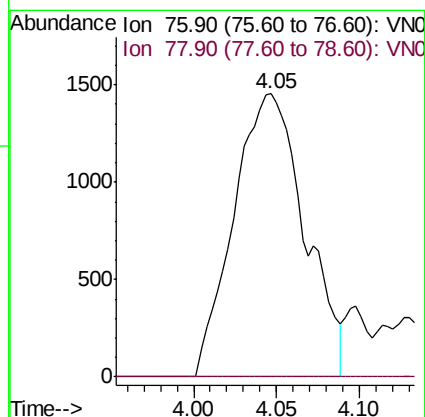
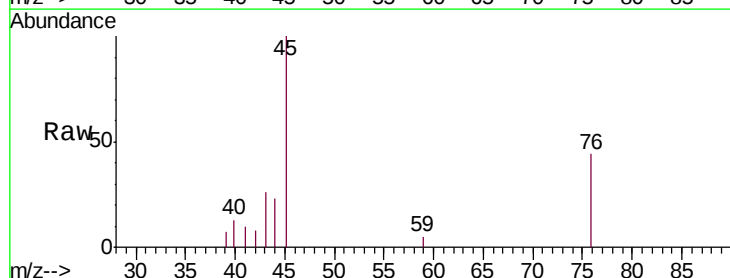
Acq: 2 Aug 2019 15:28

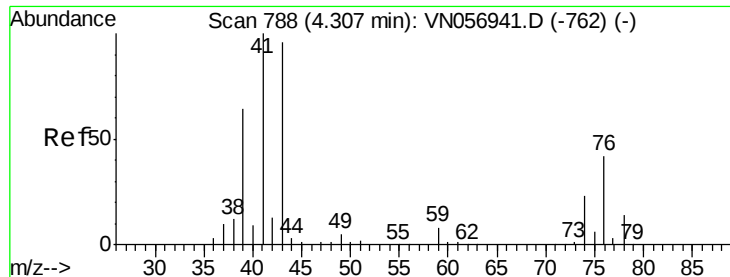
Tgt Ion: 76 Resp: 4331

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

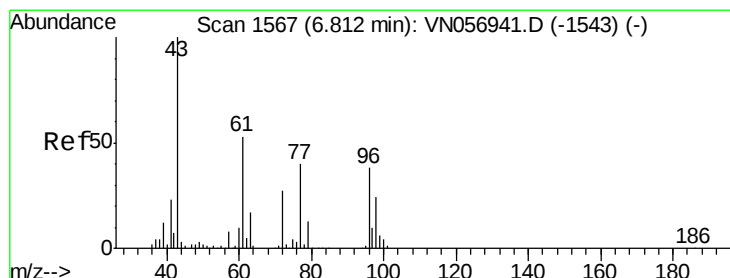
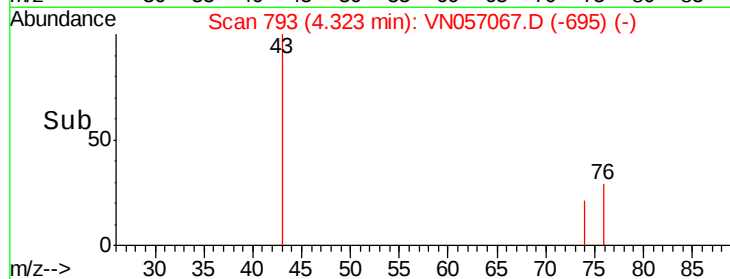
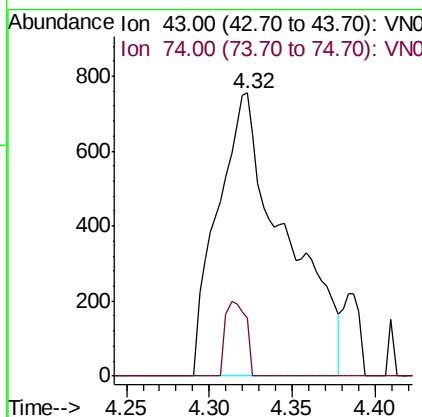
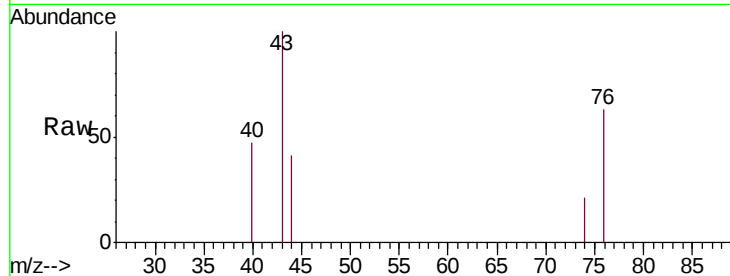




#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.02 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

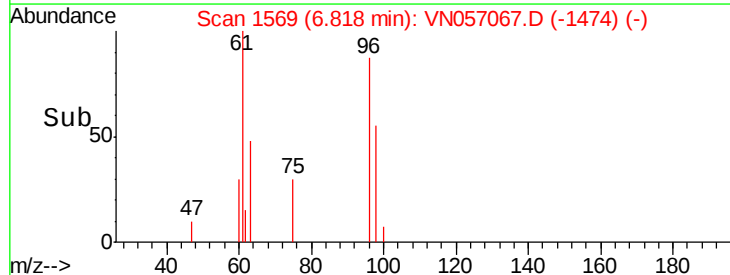
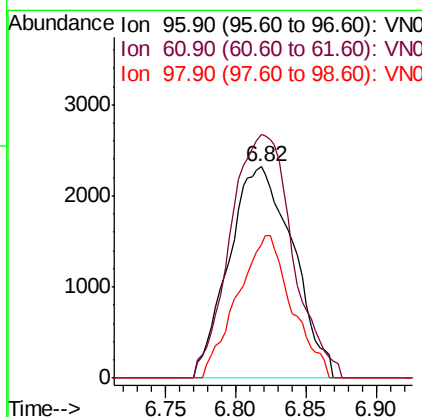
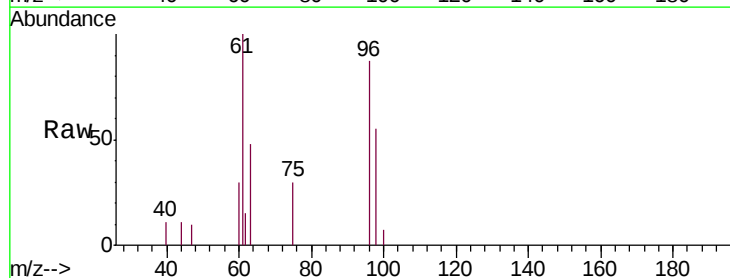
Instrument :
MSVOA_N
ClientSampled :
Z3-0713

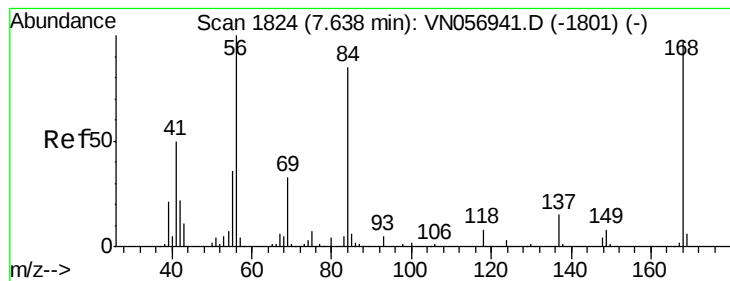
Tgt Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
74 7.9 19.7 29.5#



#27
cis-1,2-Dichloroethene
Concen: 1.197 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Tgt Ion: 96 Resp: 7364
Ion Ratio Lower Upper
96 100
61 112.0 0.0 277.2
98 57.1 0.0 128.4





#31

Cyclohexane

Concen: 0.996 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.02 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampled :

Z3-0713

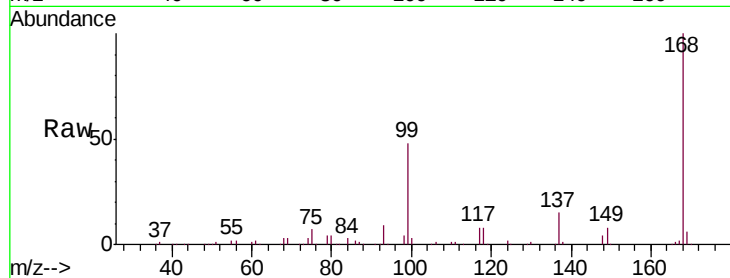
Tgt Ion: 56 Resp: 9337

Ion Ratio Lower Upper

56 100

69 169.8 26.2 39.2#

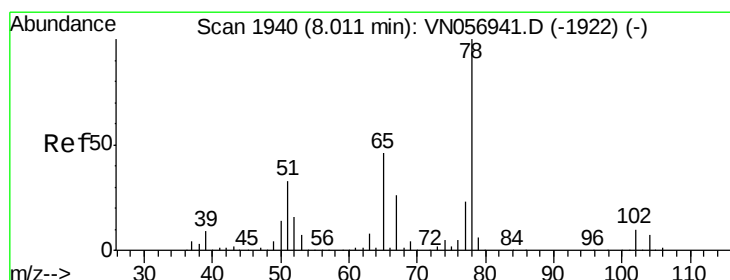
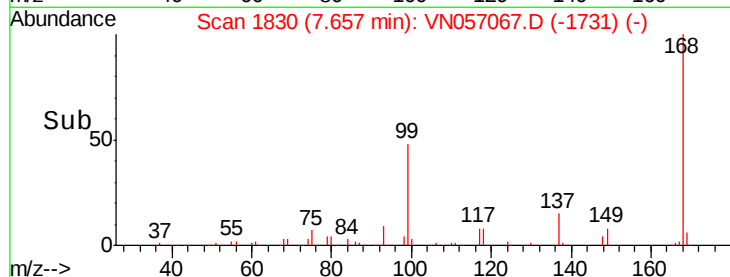
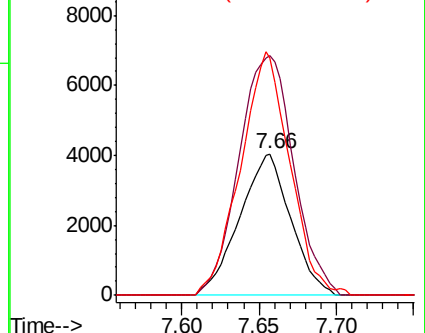
84 167.9 68.2 102.2#



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: 54.627 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057067.D

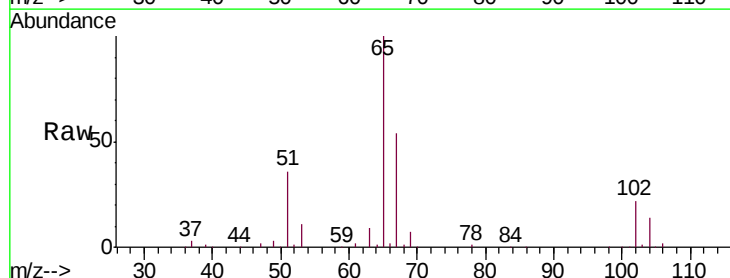
Acq: 2 Aug 2019 15:28

Tgt Ion: 65 Resp: 311555

Ion Ratio Lower Upper

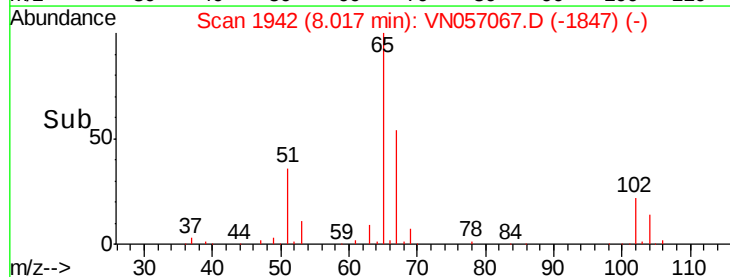
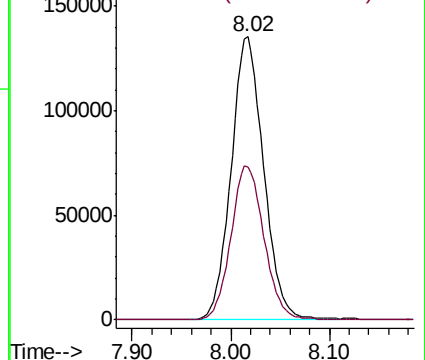
65 100

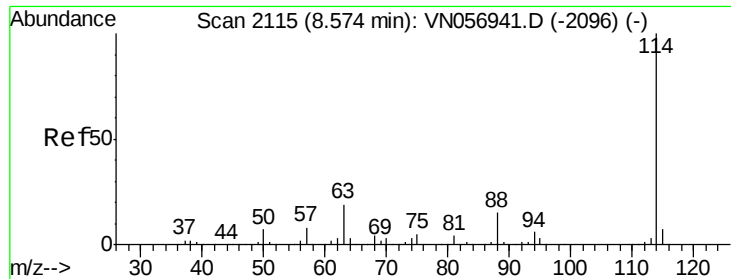
67 55.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

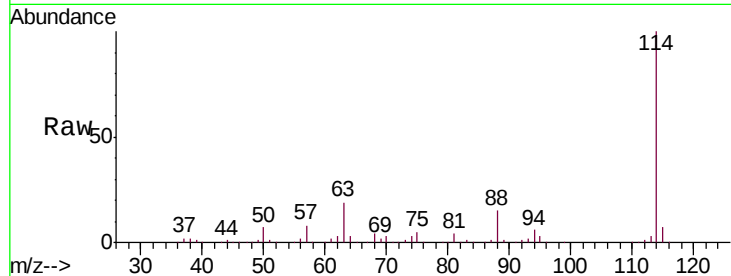




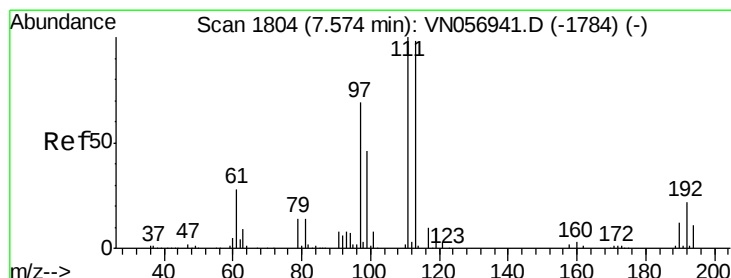
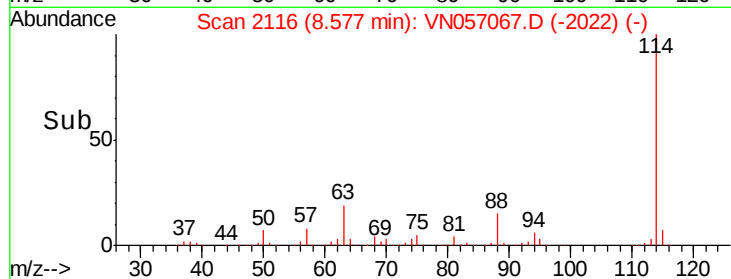
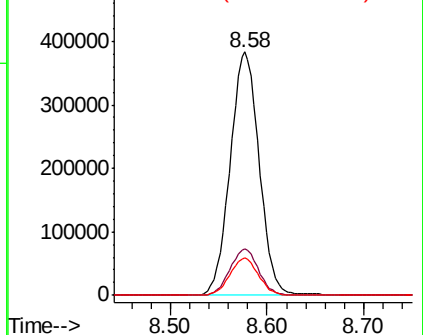
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0713

Tgt Ion:114 Resp: 800863
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.4 0.0 30.0

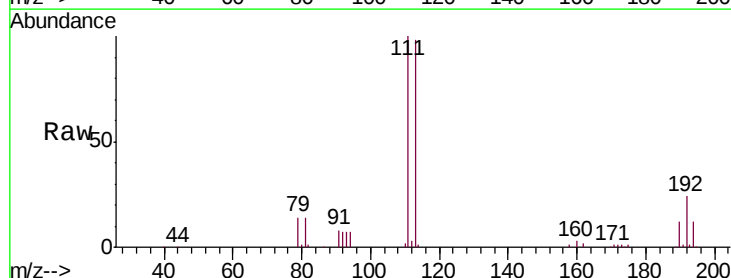


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

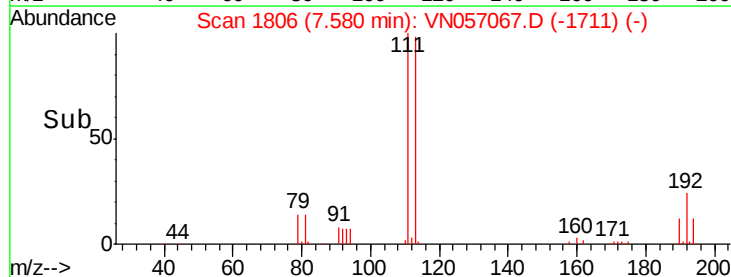
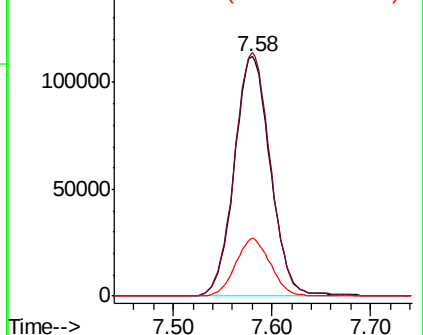


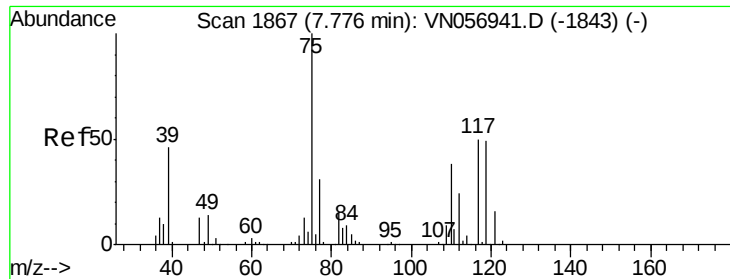
#35
 Dibromofluoromethane
 Concen: 55.269 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

Tgt Ion:113 Resp: 283356
 Ion Ratio Lower Upper
 113 100
 111 101.5 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

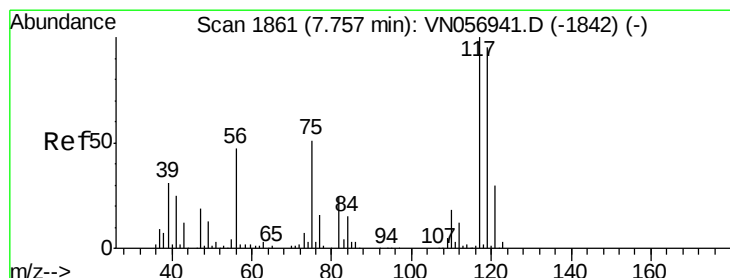
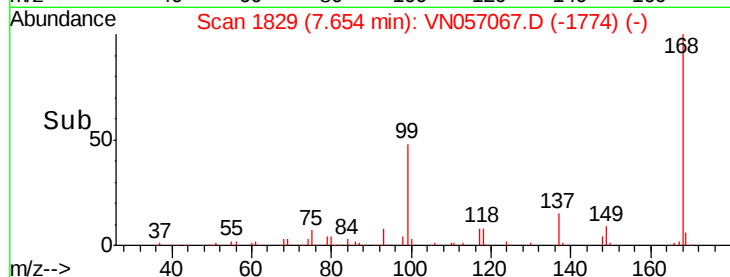
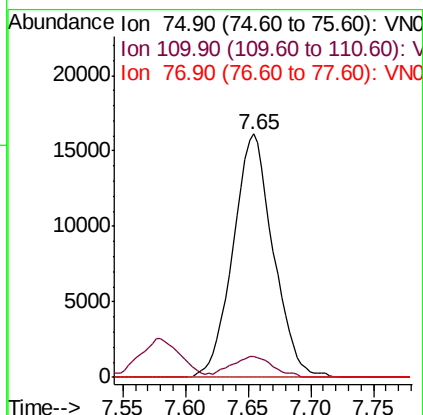
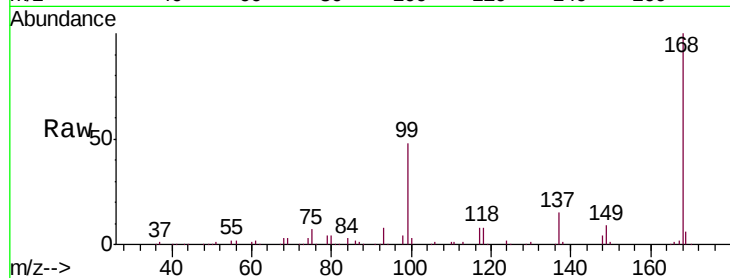




#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

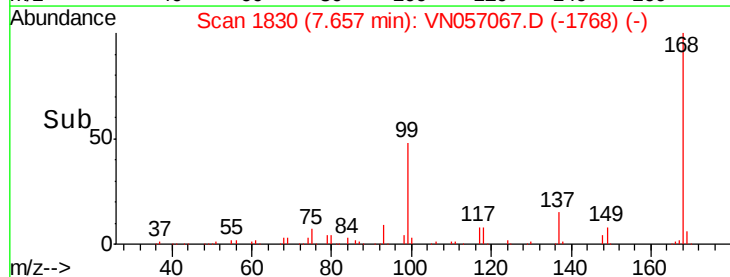
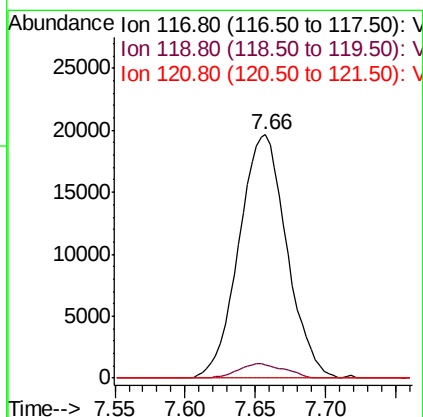
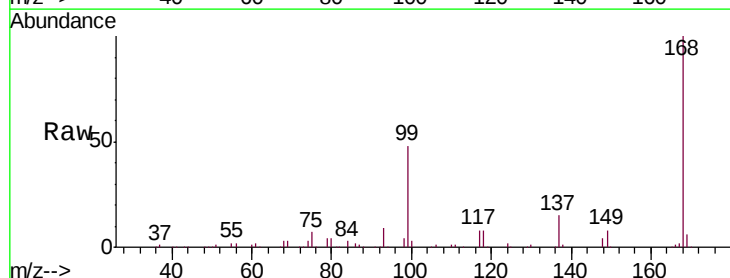
Instrument :
 MSVOA_N
 ClientSampleId :
 Z3-0713

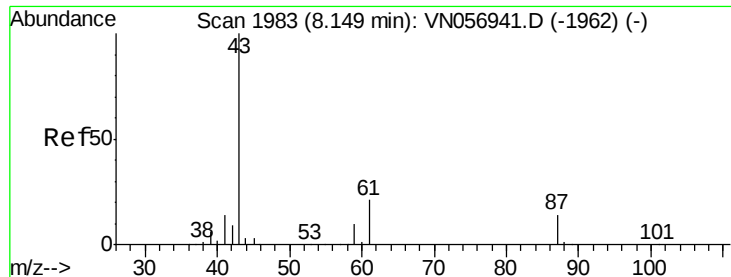
Tgt Ion: 75 Resp: 35862
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.6 55.8#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 6.971 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

Tgt Ion: 117 Resp: 46468
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.3 112.9#
 121 0.0 24.2 36.4#

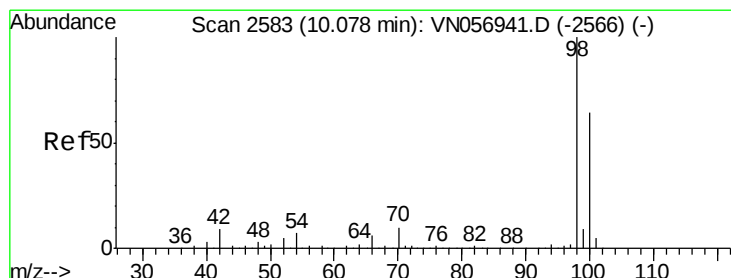
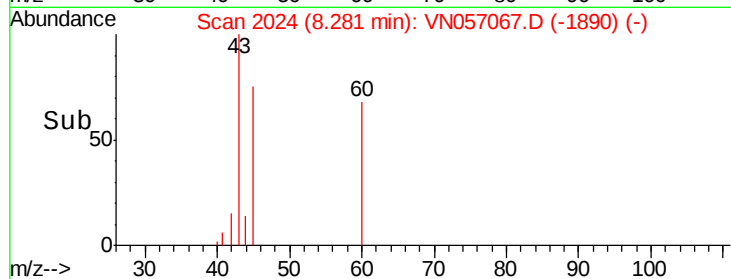
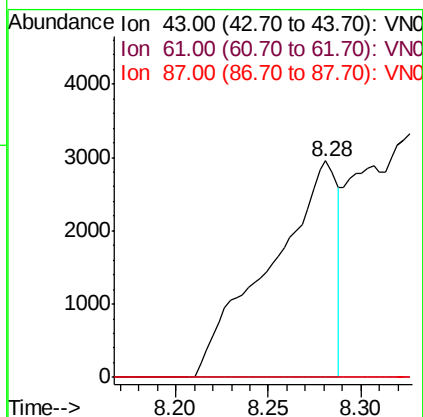
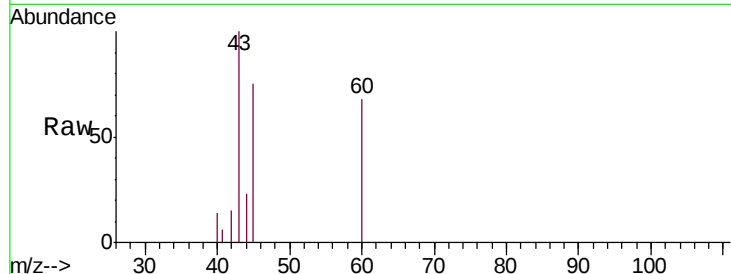




#43
Isopropyl Acetate
Concen: 0.795 ug/l
RT: 8.28 min Scan# 2024
Delta R.T. 0.13 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

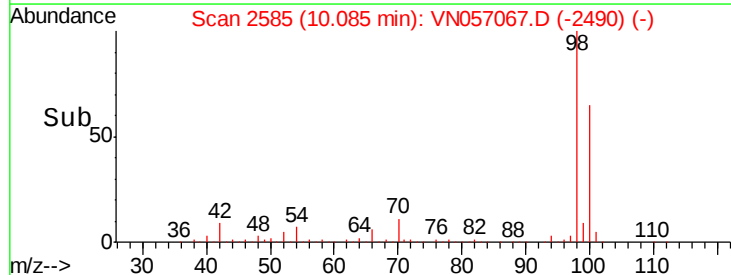
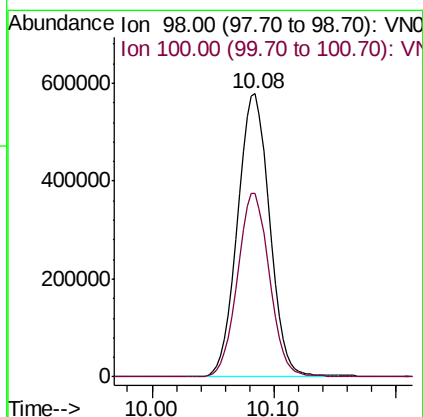
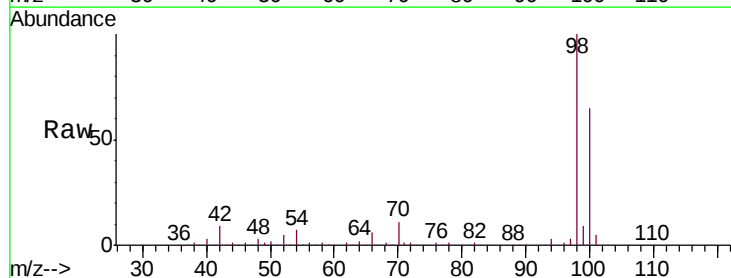
Instrument :
MSVOA_N
ClientSampled :
Z3-0713

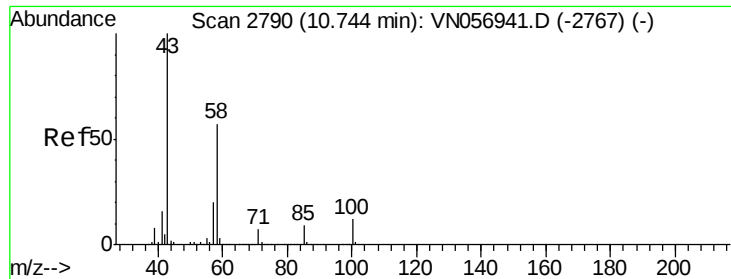
Tgt Ion: 43 Resp: 7414
Ion Ratio Lower Upper
43 100
61 0.0 23.0 34.6#
87 0.0 11.7 17.5#



#50
Toluene-d8
Concen: 53.815 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.01 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Tgt Ion: 98 Resp: 1052146
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9

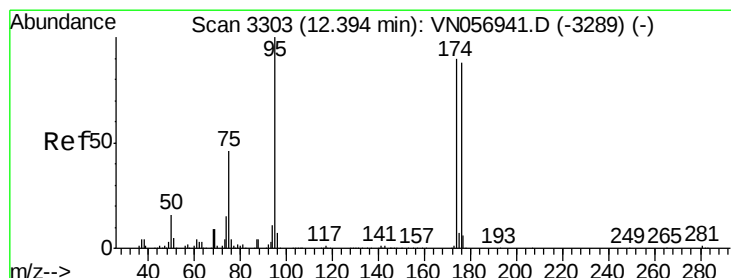
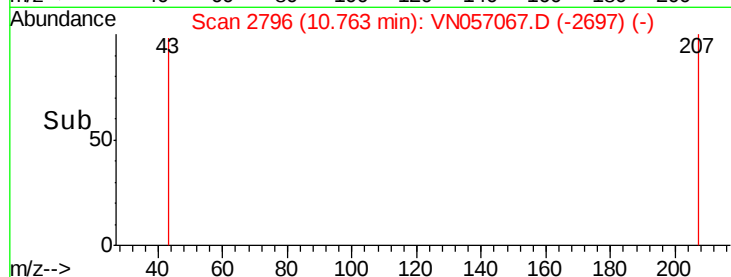
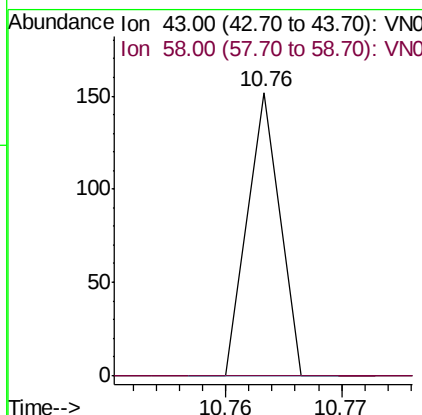
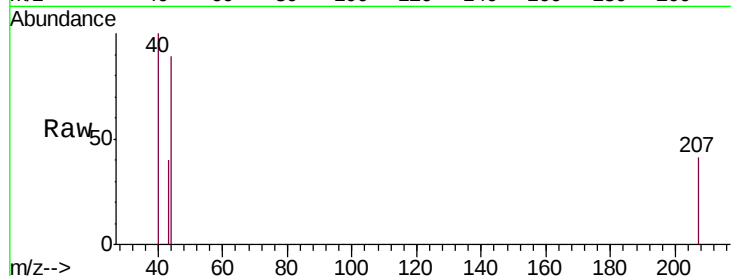




#59
2-Hexanone
Concen: 2.507 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

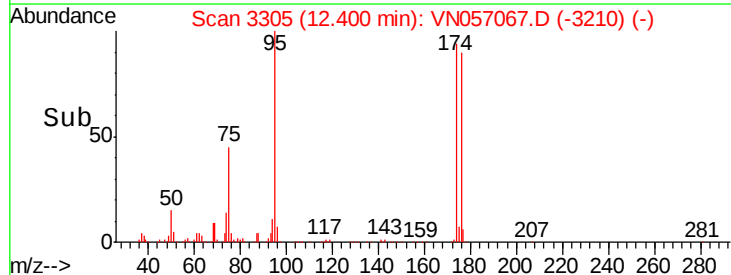
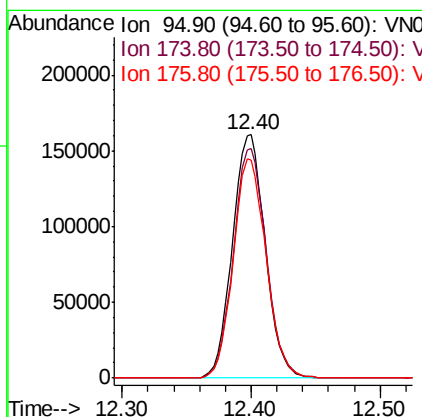
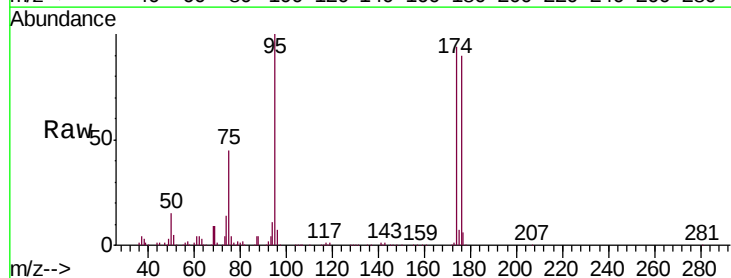
Instrument :
MSVOA_N
ClientSampleId :
Z3-0713

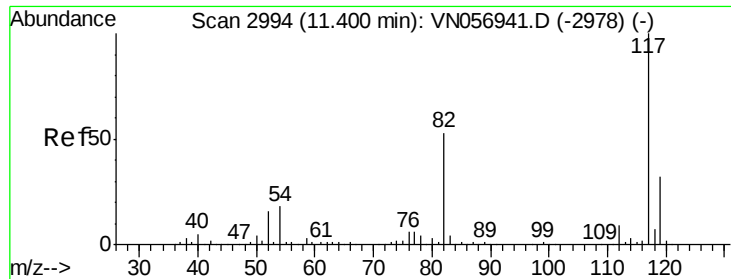
Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 44.595 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.01 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Tgt Ion: 95 Resp: 283836
Ion Ratio Lower Upper
95 100
174 94.5 0.0 182.2
176 90.1 0.0 179.4

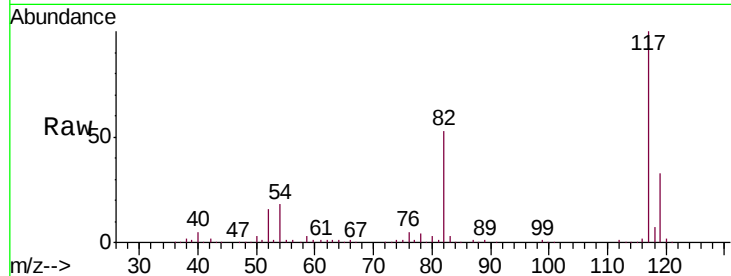




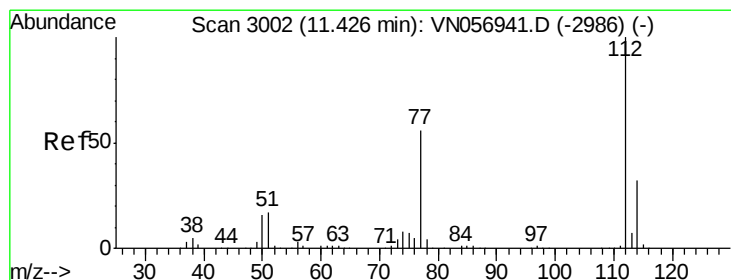
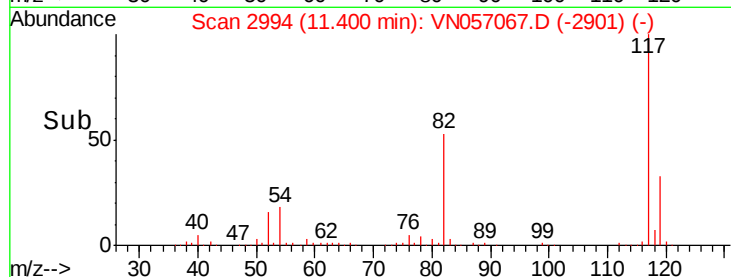
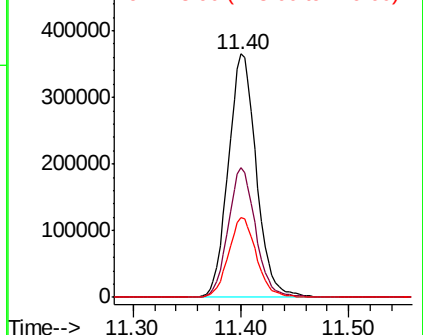
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Instrument :
MSVOA_N
ClientSampleId :
Z3-0713

Tgt Ion:117 Resp: 661692
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.4
119 32.9 25.8 38.6

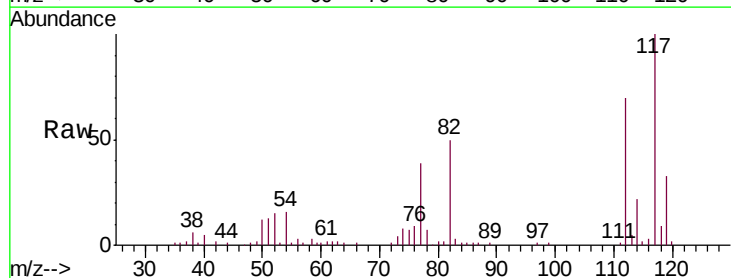


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

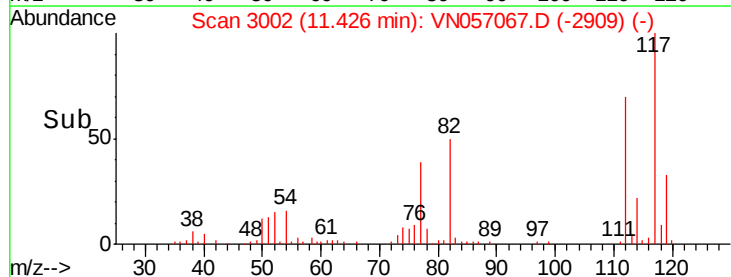
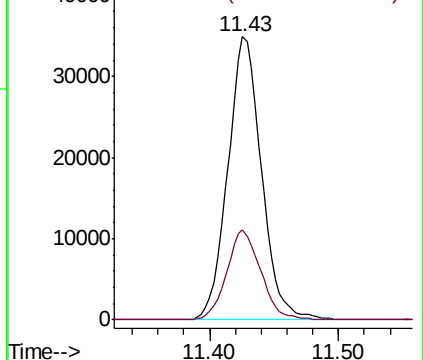


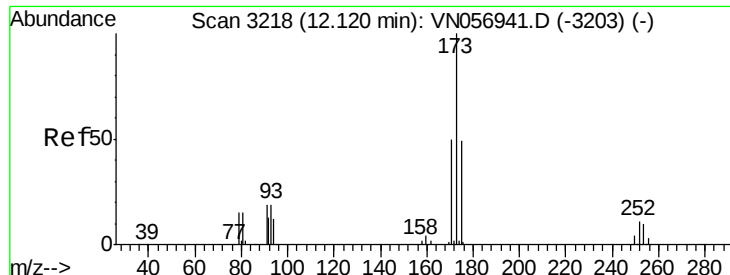
#65
Chlorobenzene
Concen: 4.685 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Tgt Ion:112 Resp: 63180
Ion Ratio Lower Upper
112 100
114 31.7 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: 0.668 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

Z3-0713

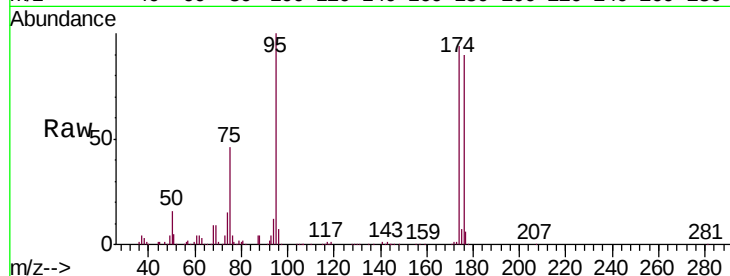
Tgt Ion:173 Resp: 2366

Ion Ratio Lower Upper

173 100

175 639.8 24.1 72.4#

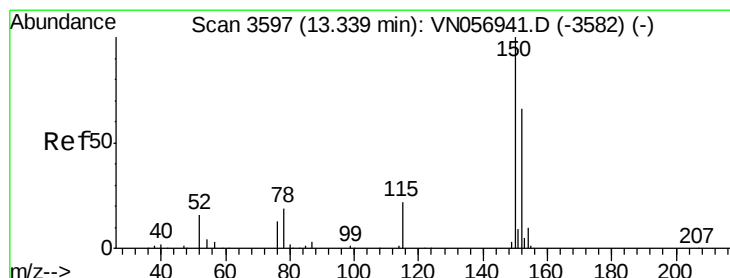
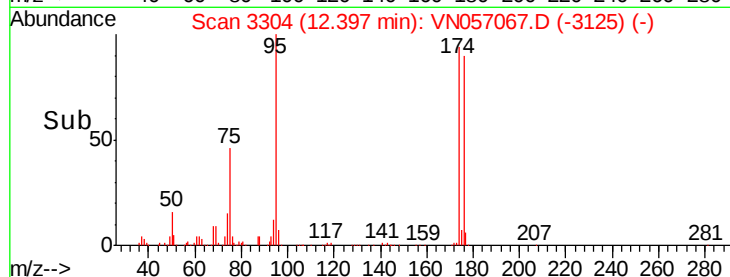
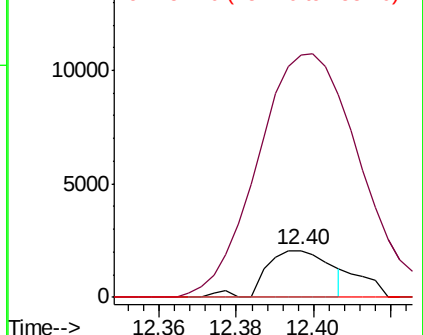
254 0.0 0.1 0.1#



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: VN057067.D

Acq: 2 Aug 2019 15:28

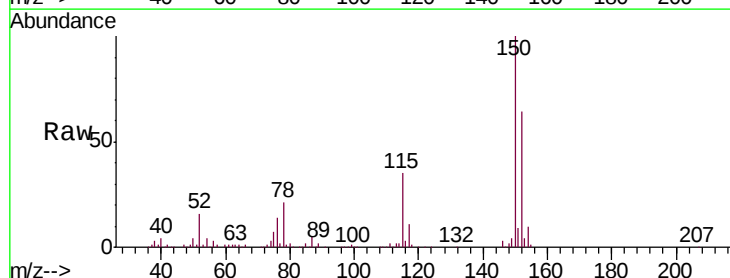
Tgt Ion:152 Resp: 189159

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

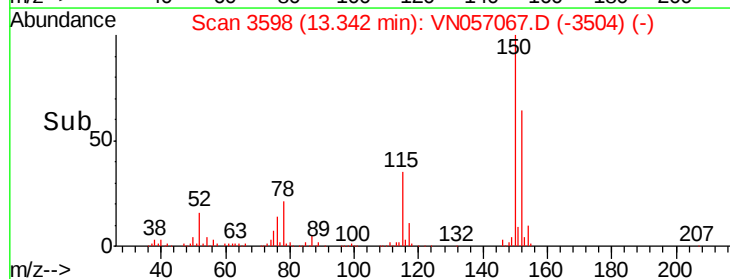
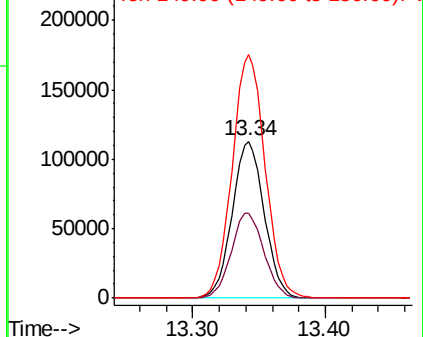
150 159.2 0.0 349.4

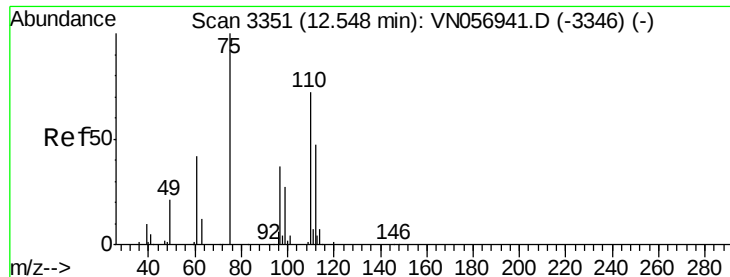


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 34.070 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

Instrument :

MSVOA_N

ClientSampleId :

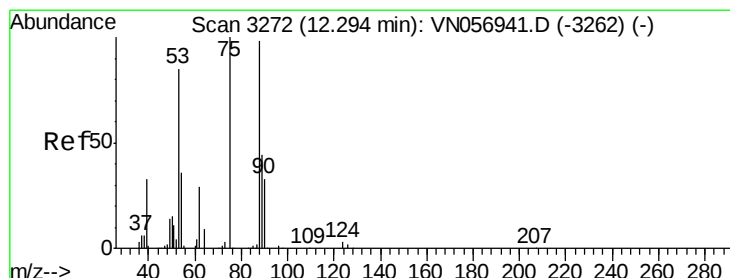
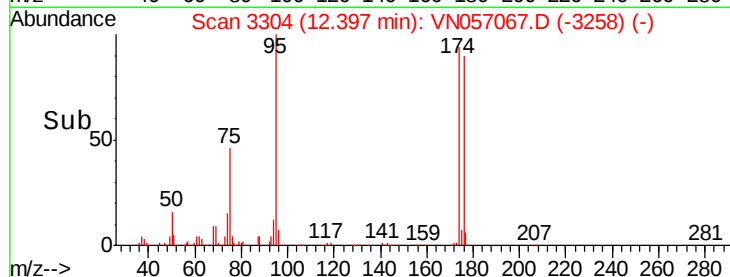
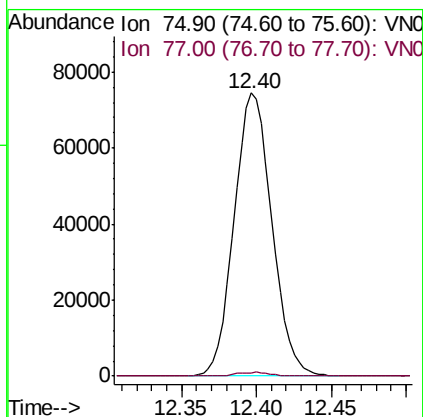
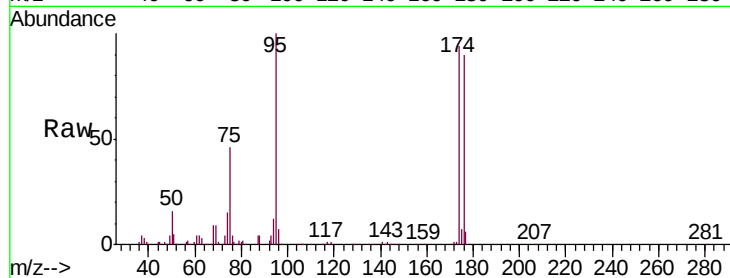
Z3-0713

Tgt Ion: 75 Resp: 130879

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.465 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057067.D

Acq: 2 Aug 2019 15:28

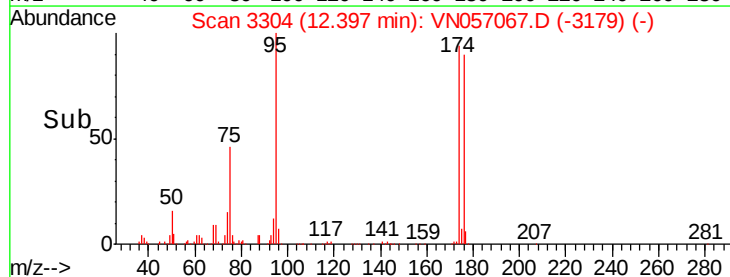
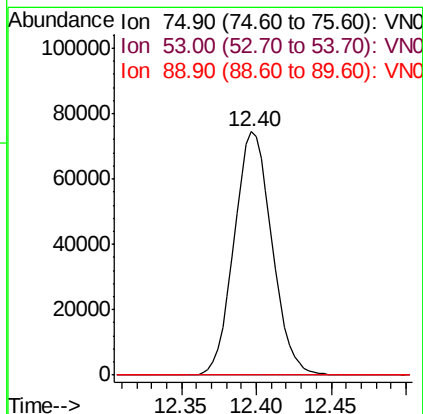
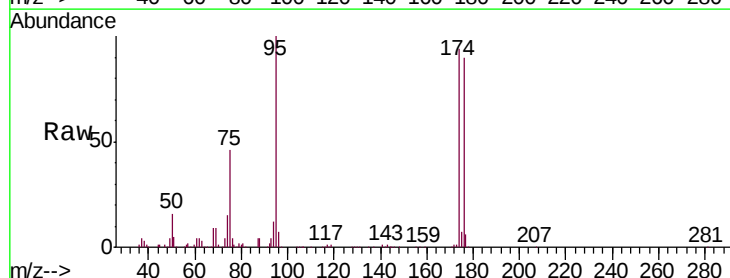
Tgt Ion: 75 Resp: 130879

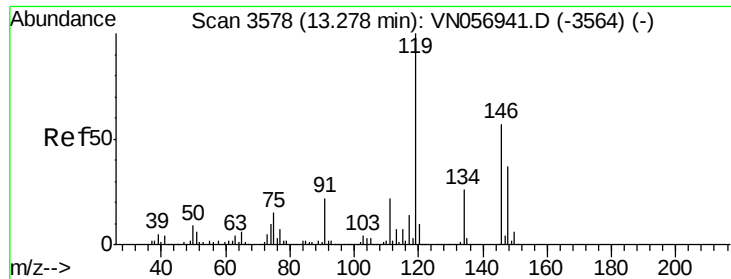
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

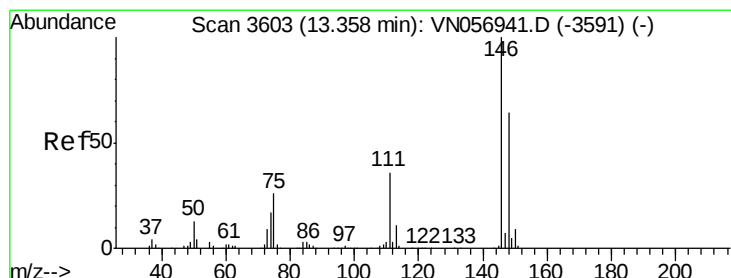
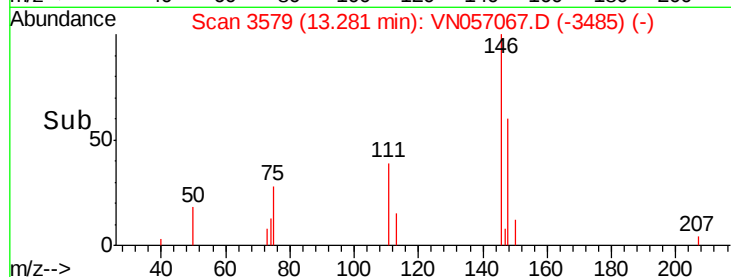
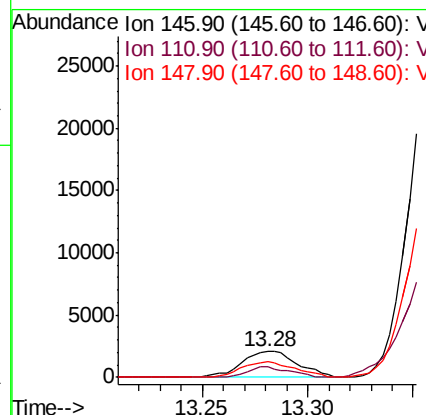
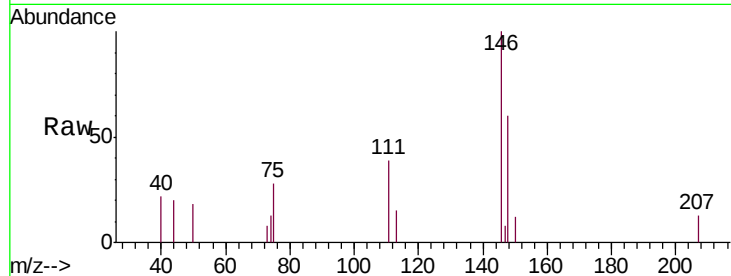




#87
 1,3-Dichlorobenzene
 Concen: 0.592 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

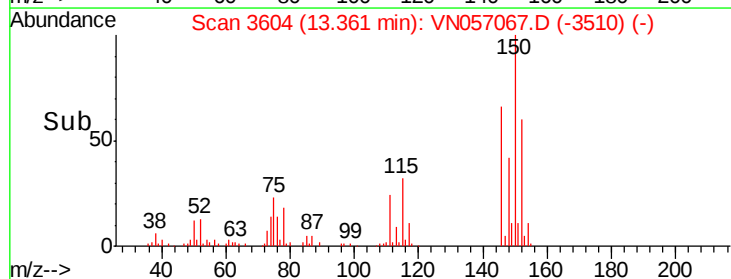
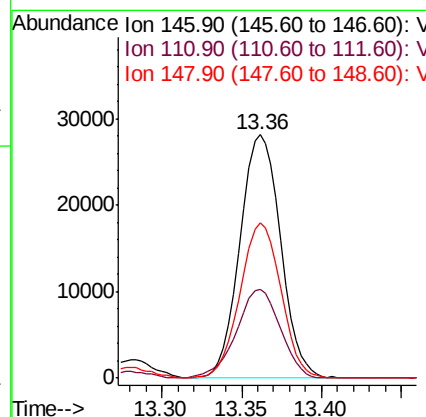
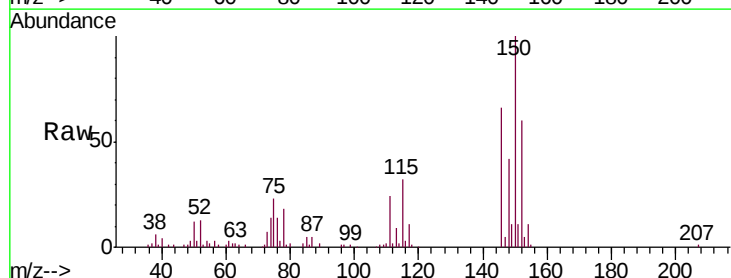
Instrument :
 MSVOA_N
 ClientSampled :
 Z3-0713

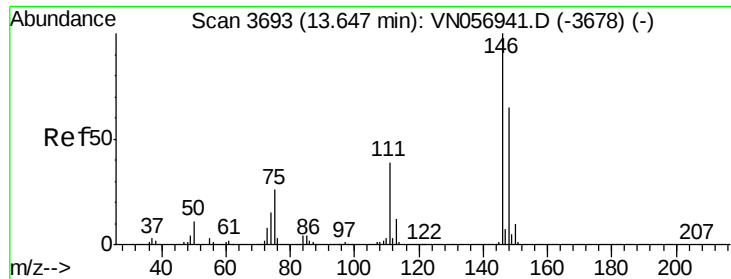
Tgt Ion:146 Resp: 3841
 Ion Ratio Lower Upper
 146 100
 111 30.8 18.6 55.8
 148 56.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 7.808 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057067.D
 Acq: 2 Aug 2019 15:28

Tgt Ion:146 Resp: 48782
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.4 55.2
 148 64.3 32.3 96.9

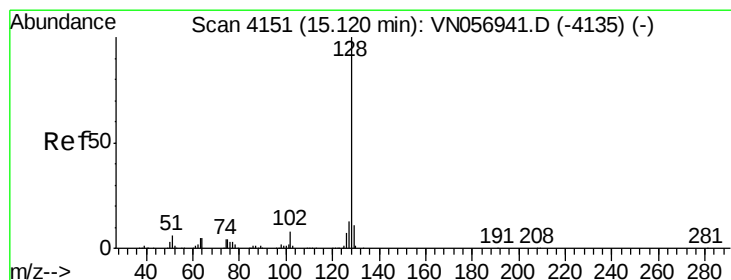
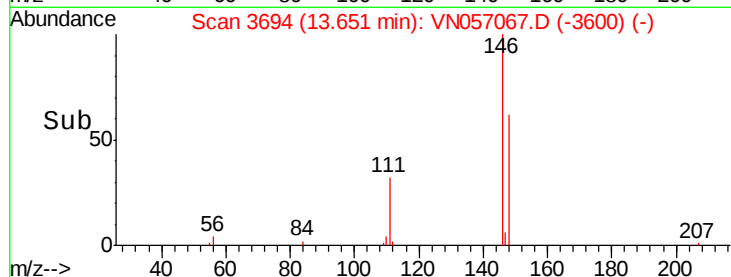
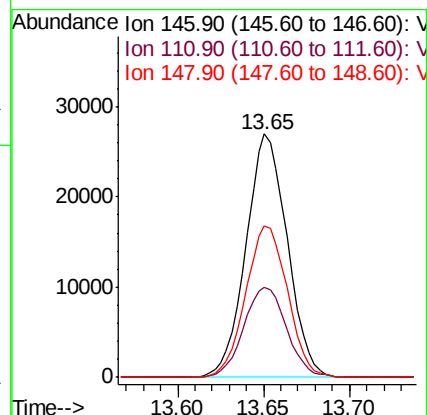
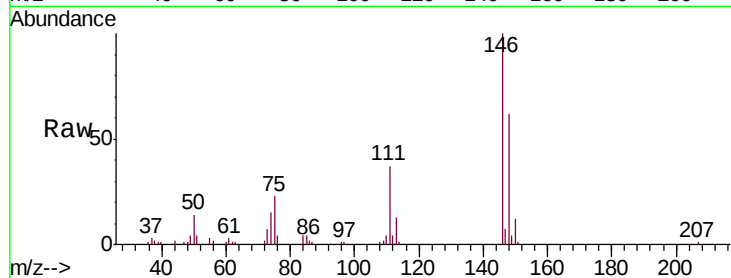




#91
1,2-Dichlorobenzene
Concen: 7.039 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Instrument :
MSVOA_N
ClientSampled :
Z3-0713

Tgt Ion:146 Resp: 44964
Ion Ratio Lower Upper
146 100
111 38.3 19.4 58.4
148 63.0 32.2 96.6



#95
Naphthalene
Concen: 3.591 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN057067.D
Acq: 2 Aug 2019 15:28

Tgt Ion:128 Resp: 31
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

