

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055879.D
 Acq On : 29 May 2019 15:48
 Operator : JC/SP
 Sample : K3085-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TANK-3

Quant Time: May 30 03:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	50439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	264807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	216632	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	101944	30.92	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.07%
60) 4-Bromofluorobenzene	12.40	95	81994	24.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.10%
63) Toluene-d8	10.09	98	316593	31.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.60%

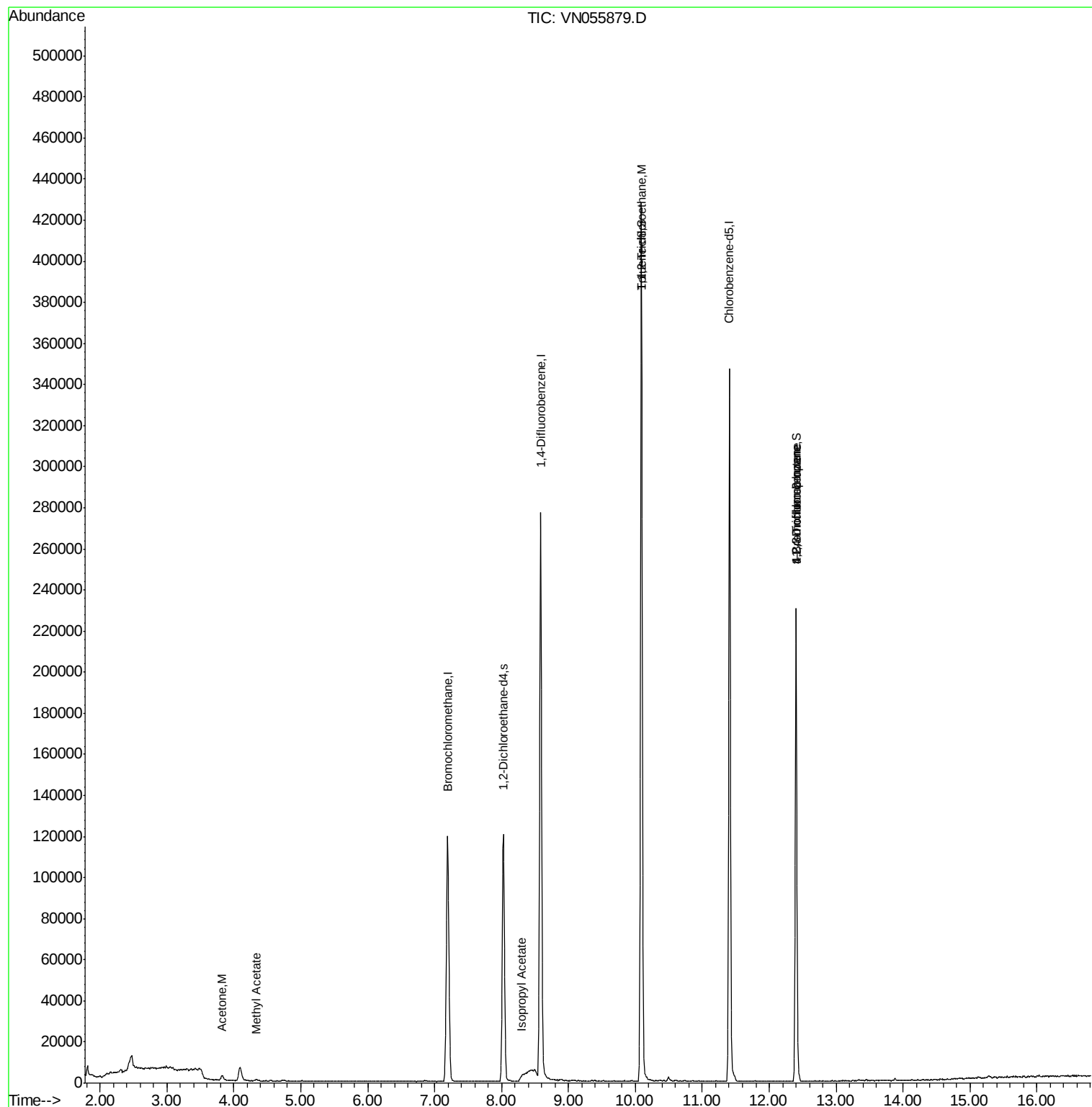
Target Compounds					Ovalue
12) Methyl Acetate	4.34	43	1029	0.316 ug/l #	51
15) Acetone	3.82	58	1208	2.620 ug/l #	57
44) Isopropyl Acetate	8.29	43	1477	0.230 ug/l #	47
50) 1,1,2-Trichloroethane	10.10	97	9399	3.250 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	38300	11.550 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	38300	29.078 ug/l #	17

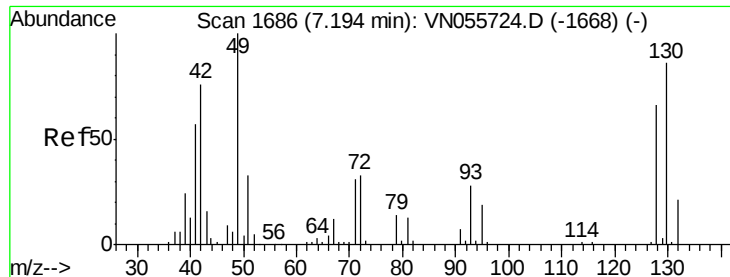
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 29 May 2019 15:48
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ALS Vial : 18 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
TANK-3

Quant Time: May 29 18:00:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055879.D

Acq: 29 May 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

TANK-3

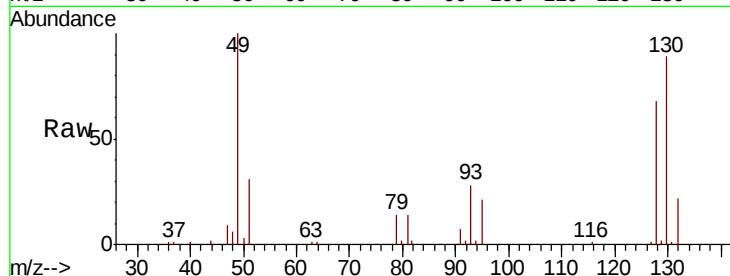
Tot Ion:128 Resp: 50439

Ion Ratio Lower Upper

128 100

49 144.2 0.0 383.2

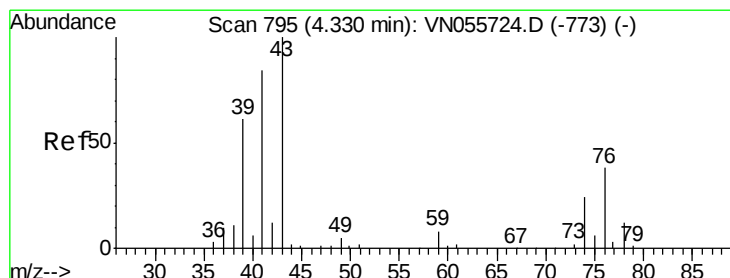
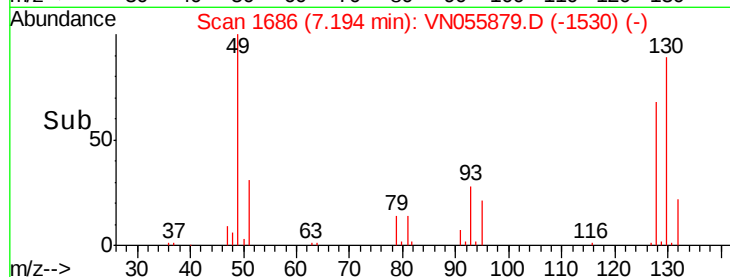
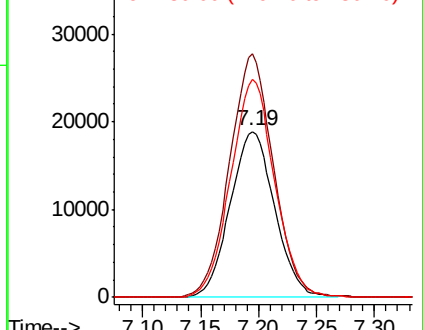
130 130.3 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.316 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055879.D

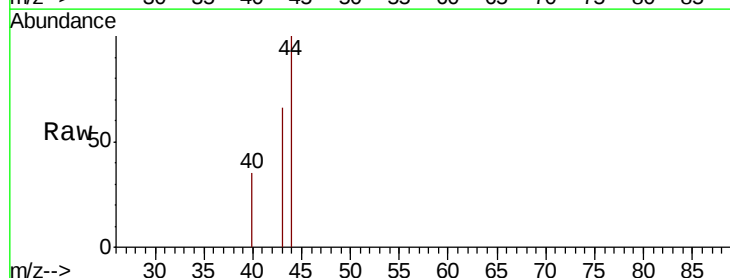
Acq: 29 May 2019 15:48

Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

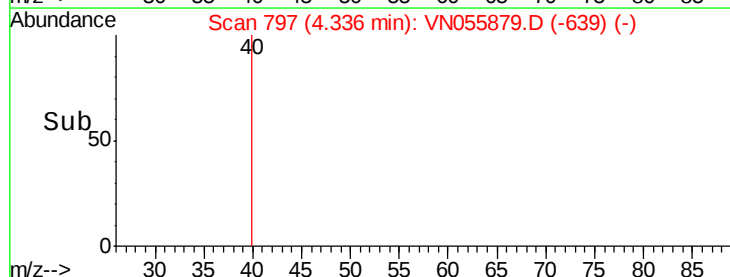
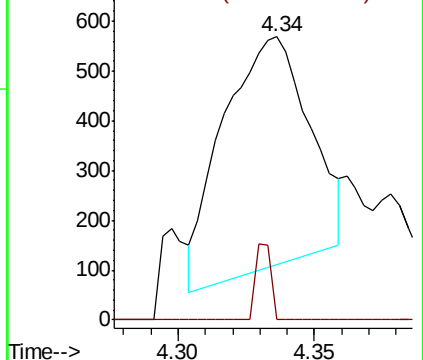
43 100

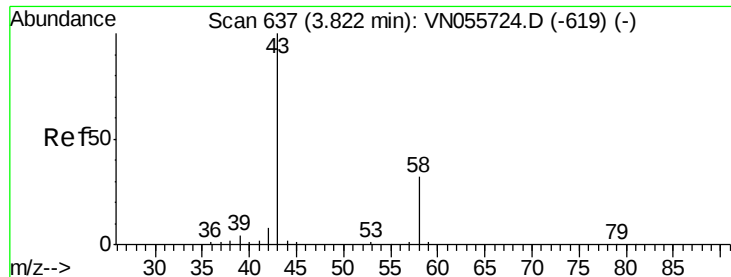
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#15

Acetone

Concen: 2.620 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055879.D

Acq: 29 May 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

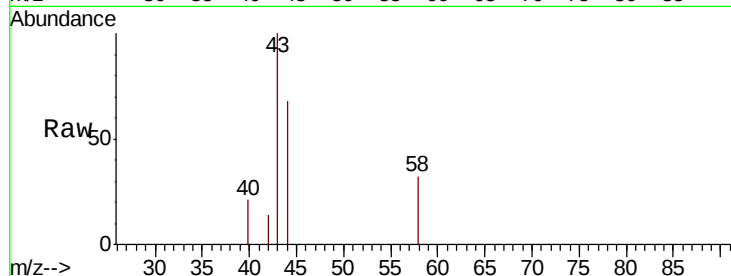
TANK-3

Tot Ion: 58 Resp: 1208

Ion Ratio Lower Upper

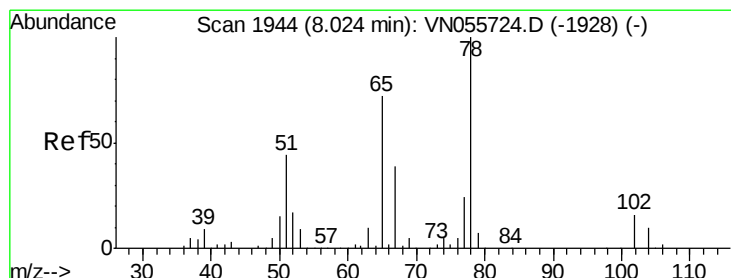
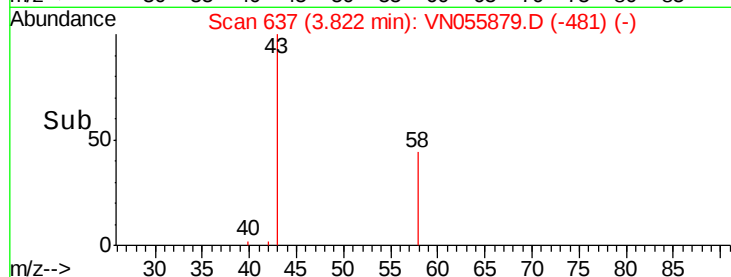
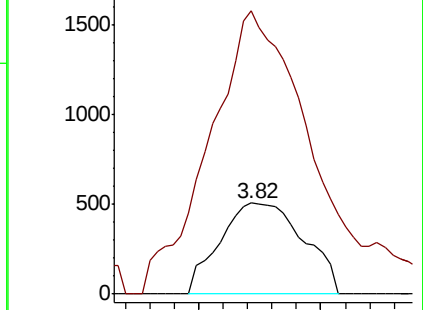
58 100

43 224.0 248.8 373.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.922 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055879.D

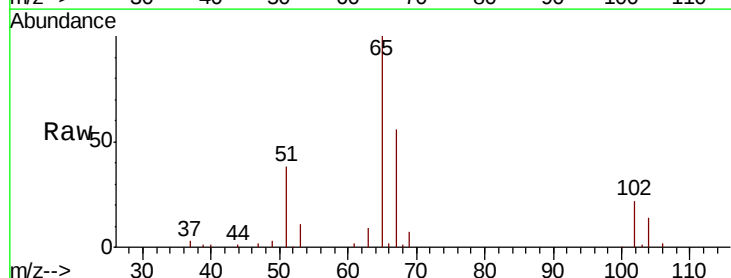
Acq: 29 May 2019 15:48

Tgt Ion: 65 Resp: 101944

Ion Ratio Lower Upper

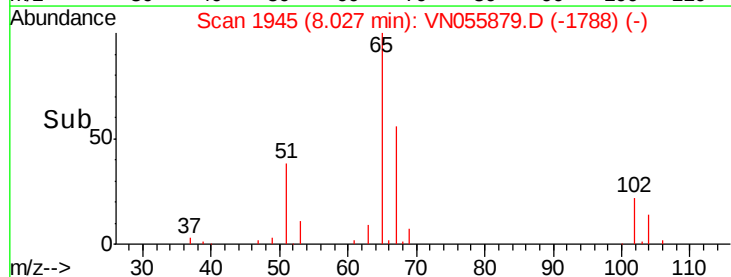
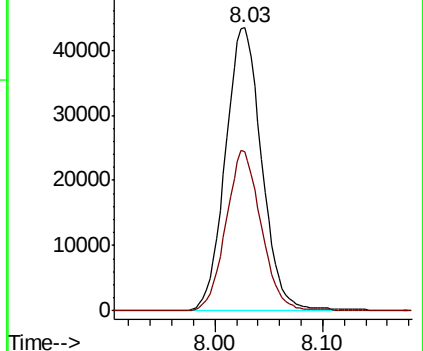
65 100

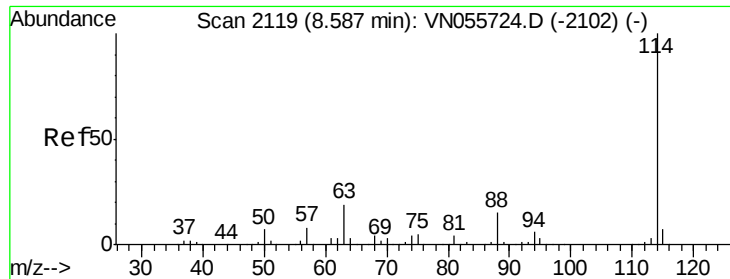
67 54.6 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

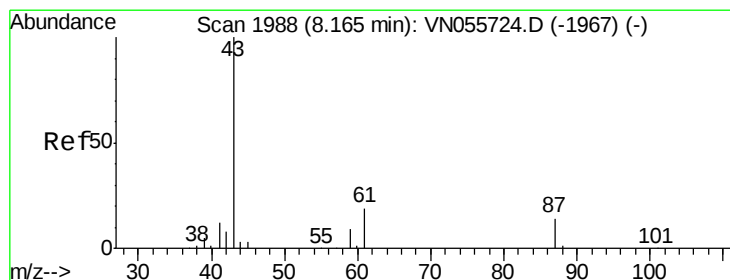
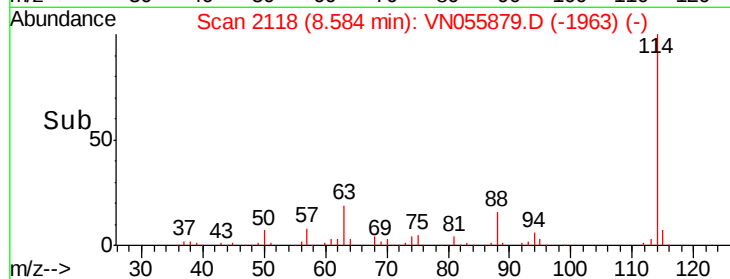
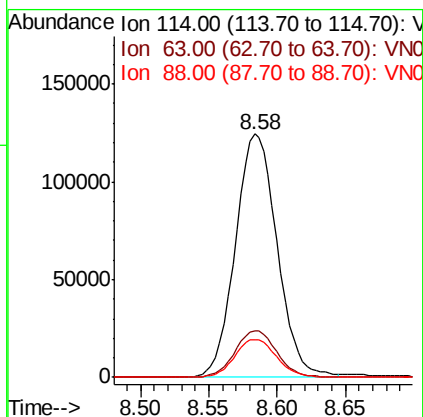
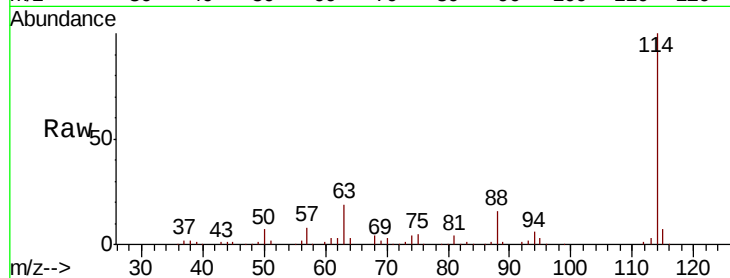




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055879.D
 Acq: 29 May 2019 15:48

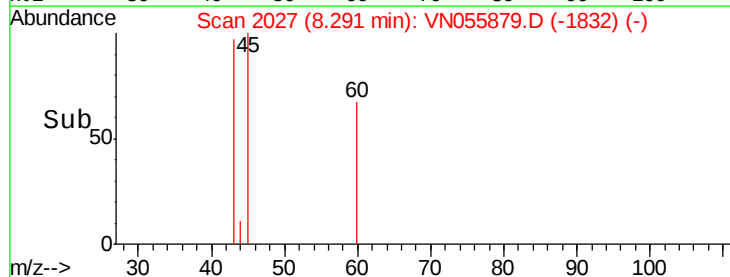
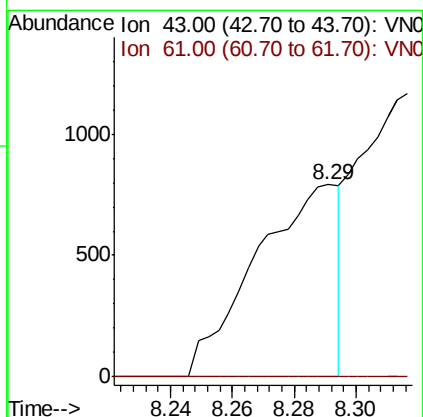
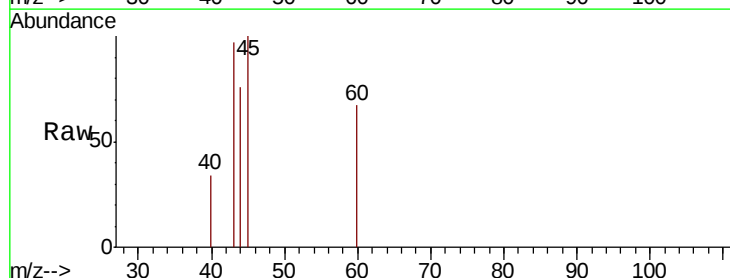
Instrument :
 MSVOA_N
 ClientSampleId :
 TANK-3

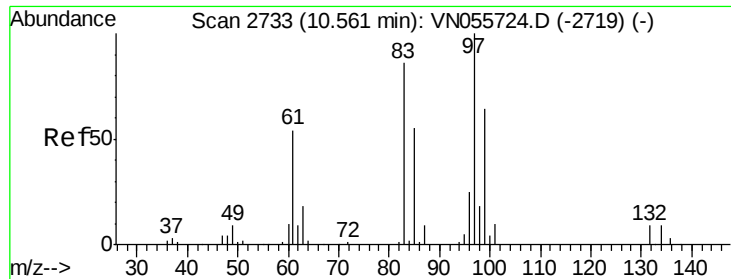
Tot Ion:114 Resp: 264807
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.7 12.3 18.5



#44
 Isopropyl Acetate
 Concen: 0.230 ug/l
 RT: 8.29 min Scan# 2027
 Delta R.T. 0.13 min
 Lab File: VN055879.D
 Acq: 29 May 2019 15:48

Tgt Ion: 43 Resp: 1477
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.1 33.1#

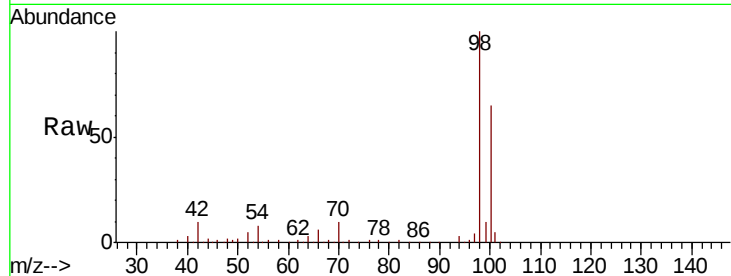




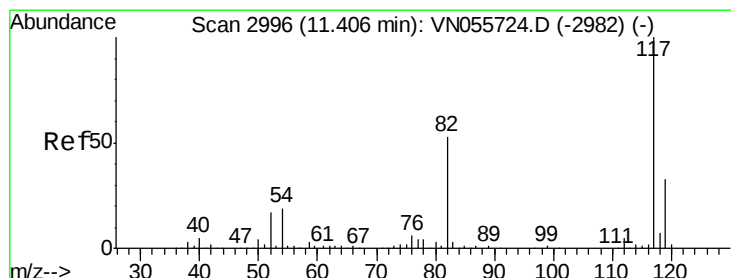
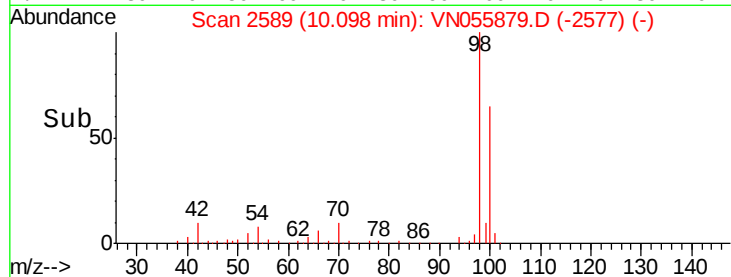
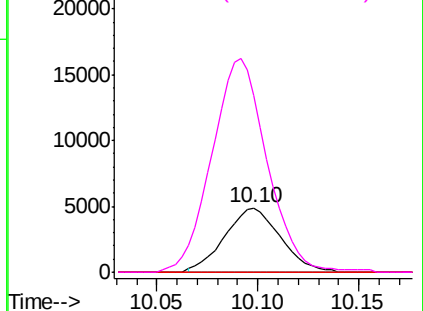
#50
1,1,2-Trichloroethane
Concen: 3.250 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN055879.D
Acq: 29 May 2019 15:48

Instrument :
MSVOA_N
ClientSampled :
TANK-3

Tot Ion: 97 Resp: 9399
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 44.3 66.5#
99 270.7 51.4 77.0#

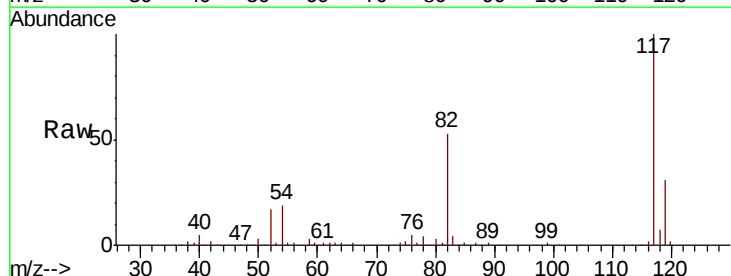


Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 82.95 (82.65 to 83.65): VN0
Ion 84.95 (84.65 to 85.65): VN0
Ion 98.95 (98.65 to 99.65): VN0

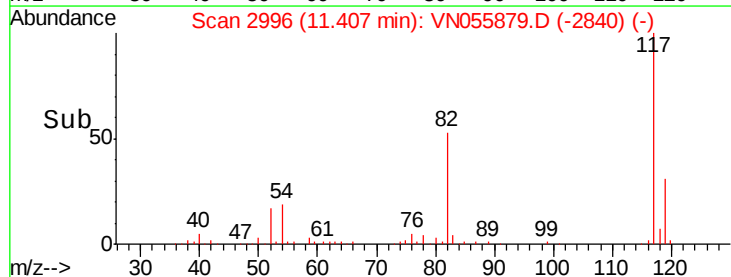
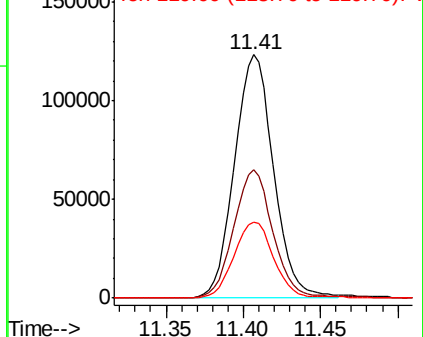


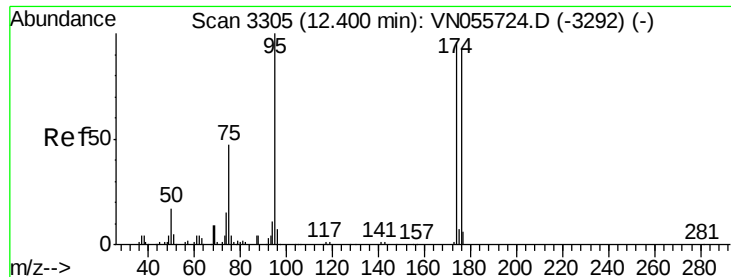
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055879.D
Acq: 29 May 2019 15:48

Tgt Ion: 117 Resp: 216632
Ion Ratio Lower Upper
117 100
82 52.6 42.6 64.0
119 31.7 25.9 38.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 119.00 (118.70 to 119.70): V

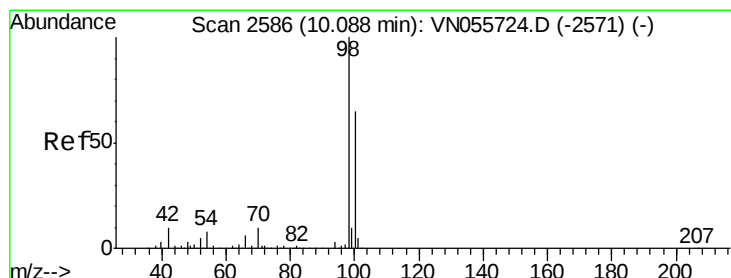
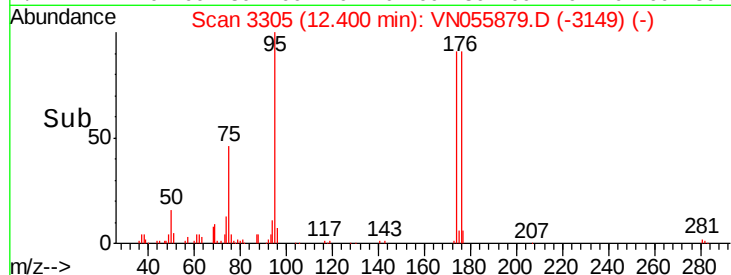
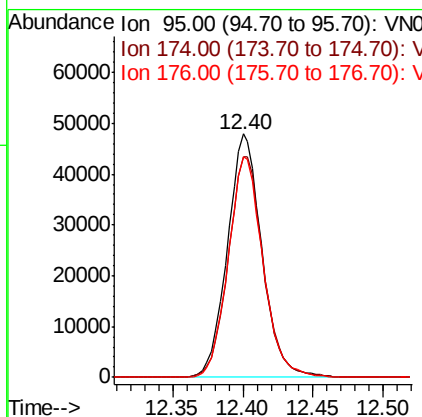
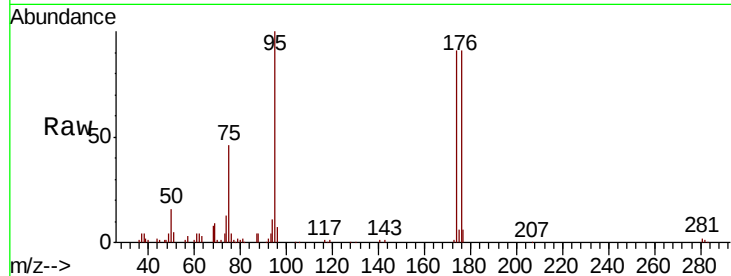




#60
4-Bromofluorobenzene
Concen: 24.331 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055879.D
Acq: 29 May 2019 15:48

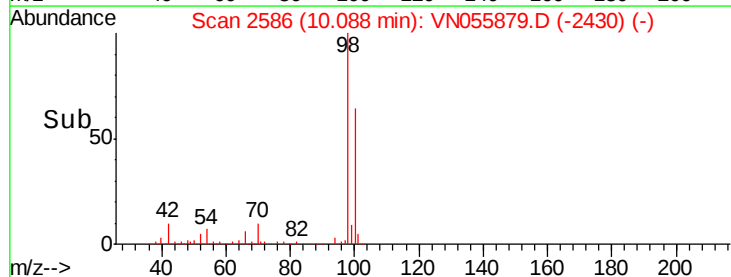
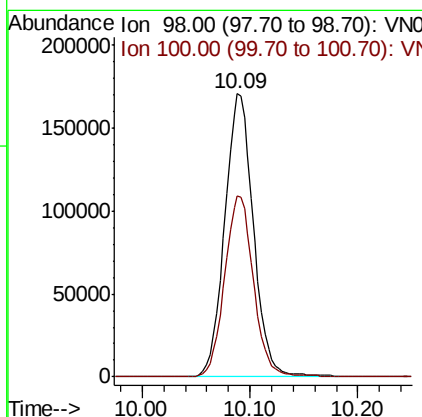
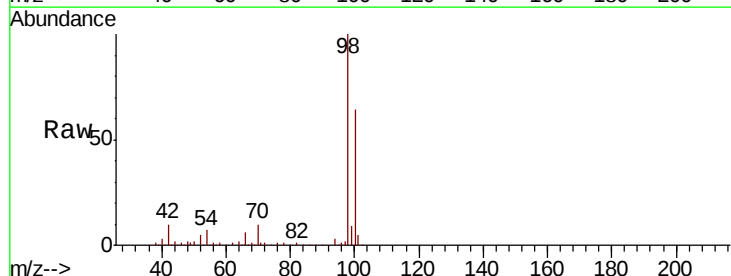
Instrument :
MSVOA_N
ClientSampleId :
TANK-3

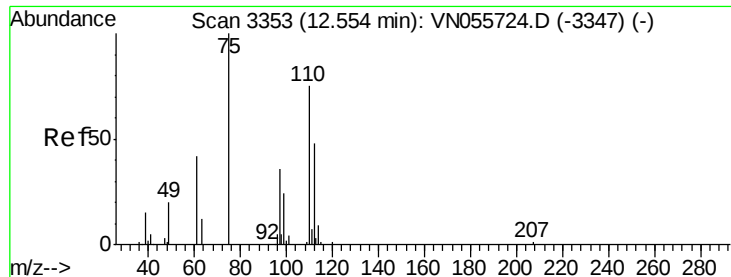
Tot Ion: 95 Resp: 81994
Ion Ratio Lower Upper
95 100
174 91.8 75.7 113.5
176 91.0 74.1 111.1



#63
Toluene-d8
Concen: 31.979 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055879.D
Acq: 29 May 2019 15:48

Tgt Ion: 98 Resp: 316593
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#72

1,2,3-Trichloropropane

Concen: 11.550 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055879.D

Acq: 29 May 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

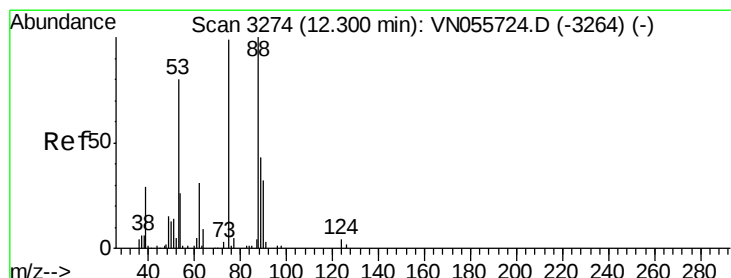
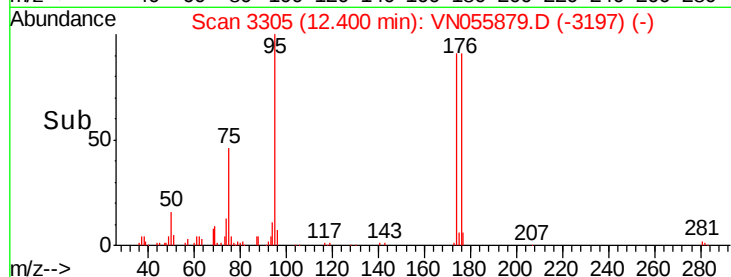
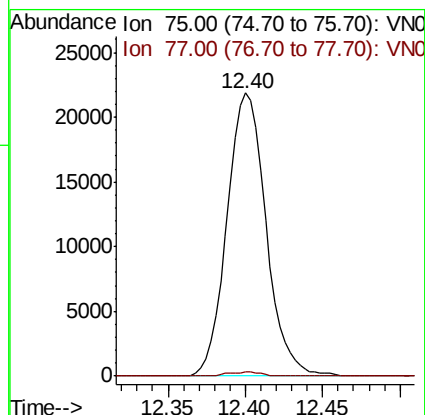
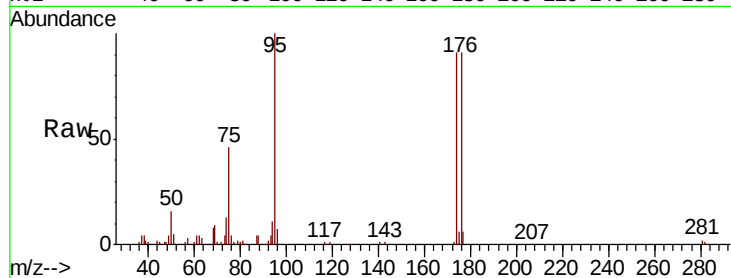
TANK-3

Tot Ion: 75 Resp: 38300

Ion Ratio Lower Upper

75 100

77 0.8 0.0 349.8



#77

t-1,4-Dichloro-2-butene

Concen: 29.078 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055879.D

Acq: 29 May 2019 15:48

Tgt Ion: 75 Resp: 38300

Ion Ratio Lower Upper

75 100

53 0.0 40.1 120.3#

89 0.0 22.6 67.8#

