

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055729.D
 Acq On : 22 May 2019 20:17
 Operator : JC/SP
 Sample : VN0522WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Quant Time: May 23 06:03:32 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	55751	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	300890	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	250177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110843	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	12.40	95	95112	24.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	81.47%
63) Toluene-d8	10.09	98	360323	31.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.07%

Target Compounds

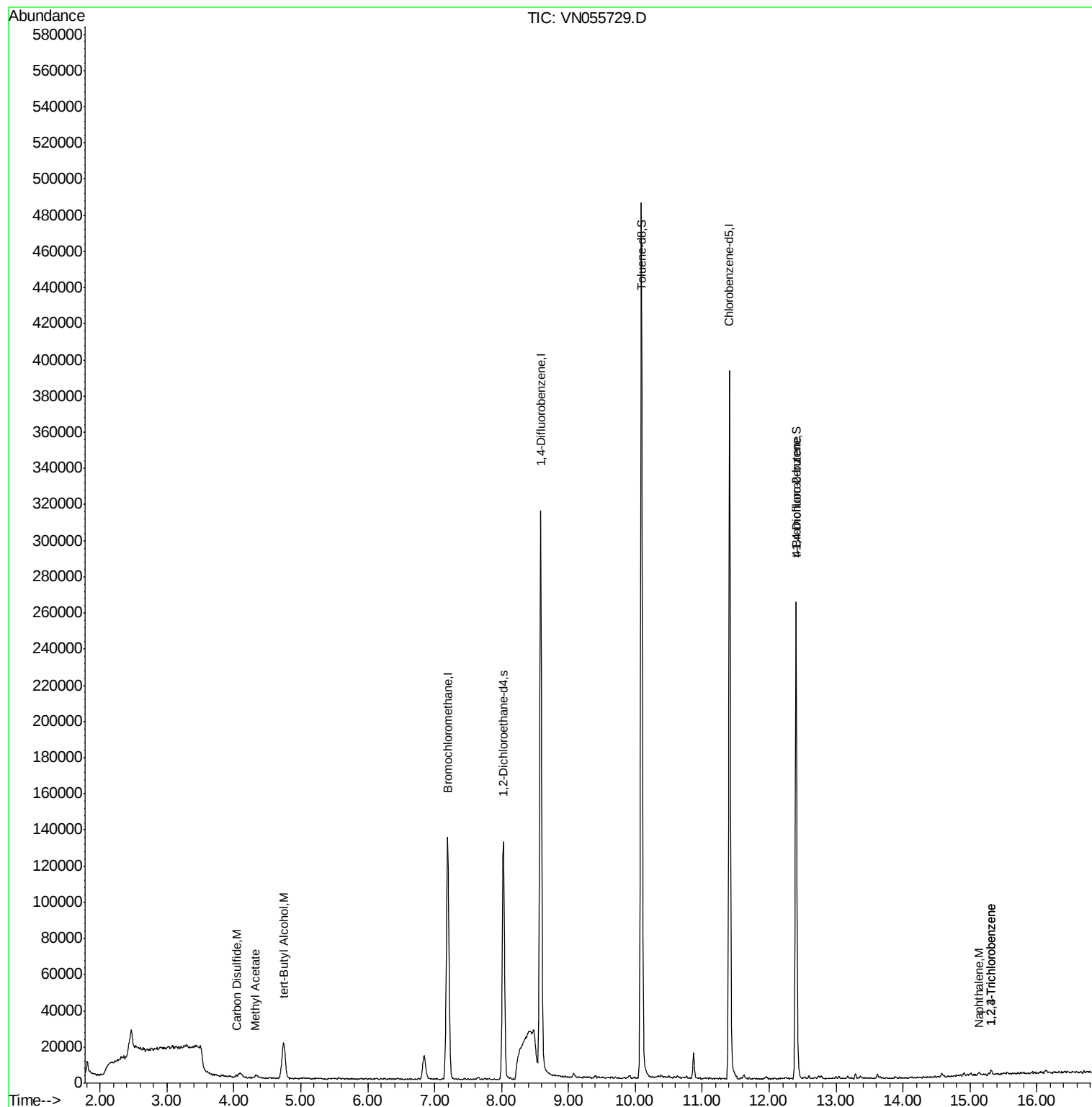
					Ovalue
12) Methyl Acetate	4.33	43	3332	0.926 ug/l	90
16) Carbon Disulfide	4.04	76	2318	0.275 ug/l #	75
23) tert-Butyl Alcohol	4.74	59	18514	25.692 ug/l #	100
77) t-1,4-Dichloro-2-butene	12.40	75	44132	29.013 ug/l #	17
89) 1,2,4-Trichlorobenzene	15.32	180	1080	0.331 ug/l	97
91) Naphthalene	15.14	128	2424	0.272 ug/l #	74
92) 1,2,3-Trichlorobenzene	15.32	180	1080	0.317 ug/l	96

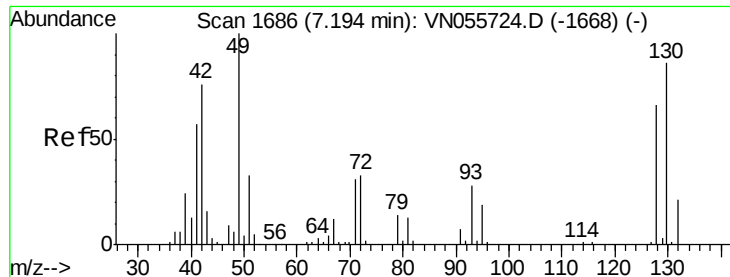
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055729.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

Quant Time: May 23 06:03:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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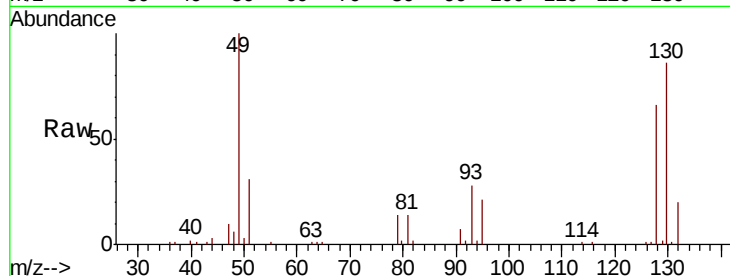




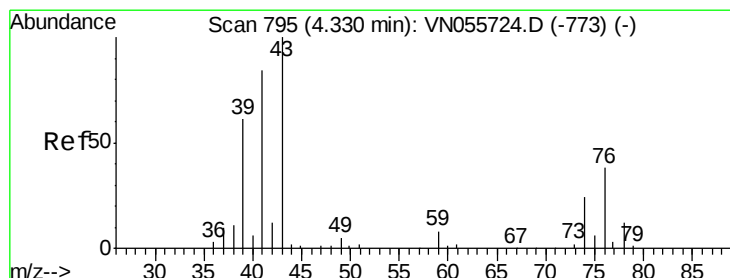
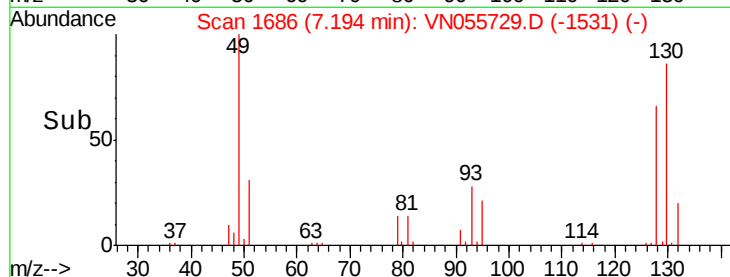
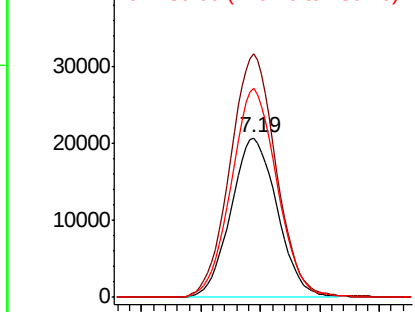
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN055729.D
 Acq: 22 May 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Tot Ion:128 Resp: 55751
 Ion Ratio Lower Upper
 128 100
 49 151.7 0.0 383.2
 130 130.2 0.0 326.3

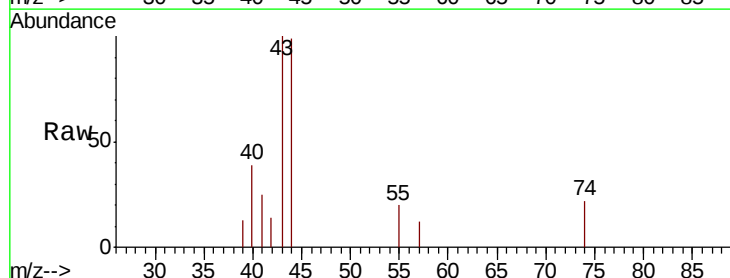


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

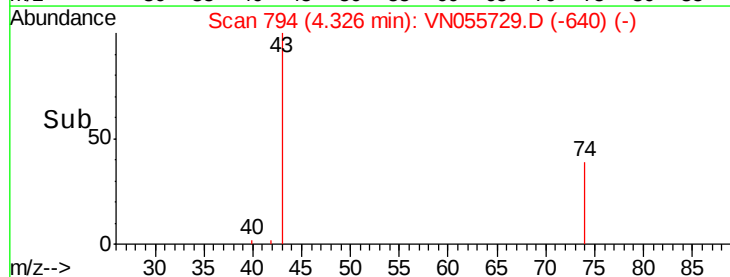
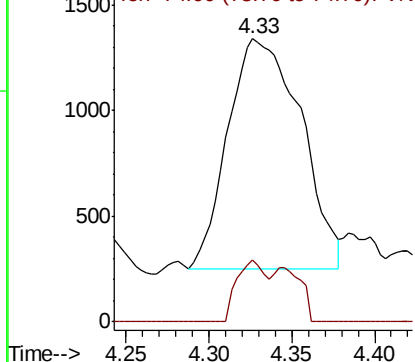


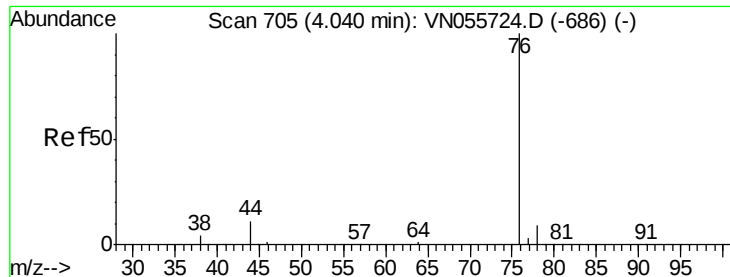
#12
 Methyl Acetate
 Concen: 0.926 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN055729.D
 Acq: 22 May 2019 20:17

Tgt Ion: 43 Resp: 3332
 Ion Ratio Lower Upper
 43 100
 74 28.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 74.00 (73.70 to 74.70): VN





#16

Carbon Disulfide

Concen: 0.275 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055729.D

Acq: 22 May 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

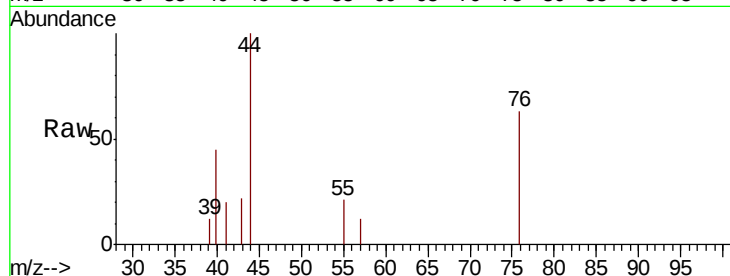
VN0522WBL01

Tot Ion: 76 Resp: 2318

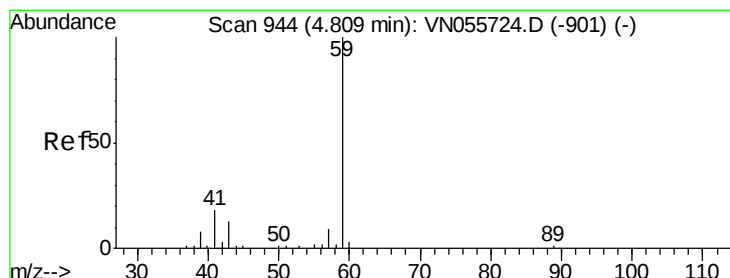
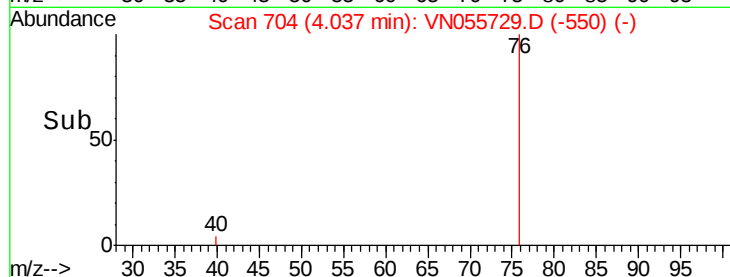
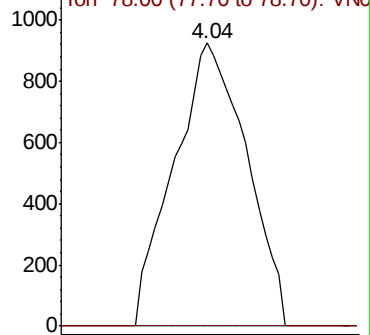
Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VN055729.D (-550) (-)



#23

tert-Butyl Alcohol

Concen: 25.692 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN055729.D

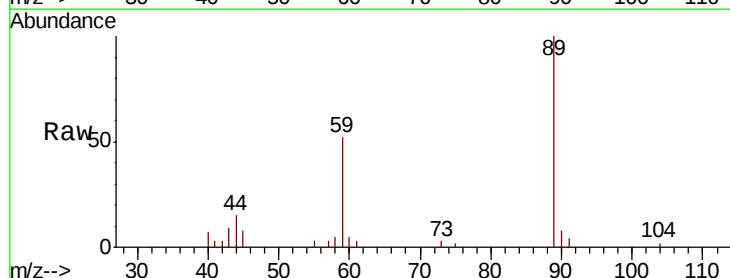
Acq: 22 May 2019 20:17

Tgt Ion: 59 Resp: 18514

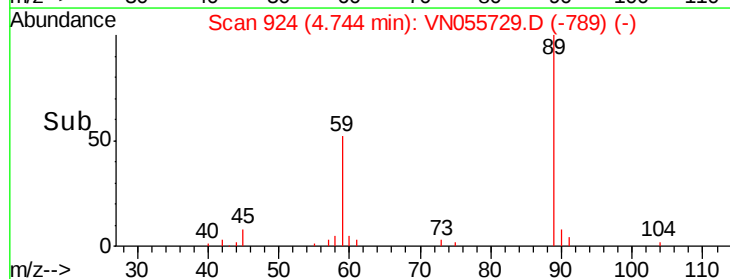
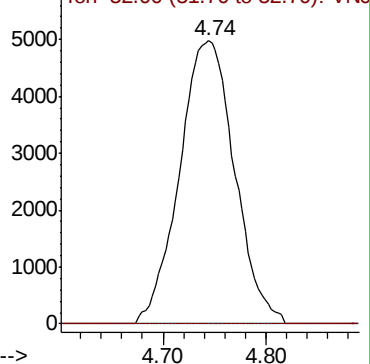
Ion Ratio Lower Upper

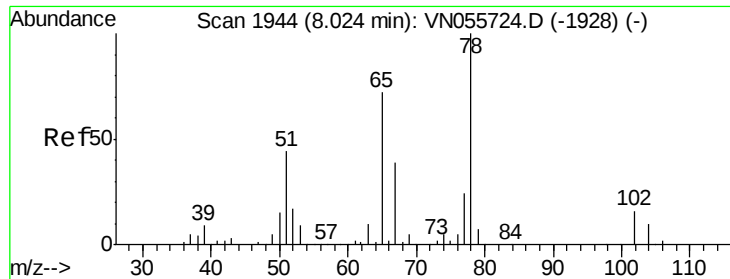
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055729.D (-789) (-)





#27

1,2-Dichloroethane-d4

Concen: 30.417 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055729.D

Acq: 22 May 2019 20:17

Instrument :

MSVOA_N

ClientSampled :

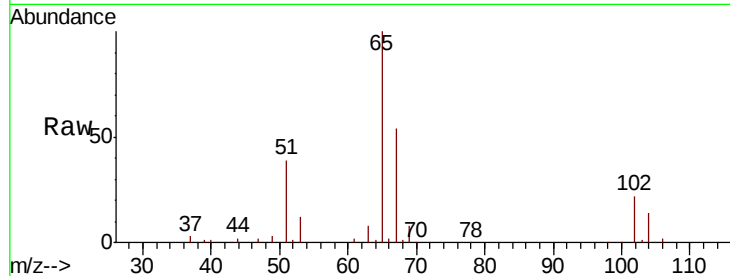
VN0522WBL01

Tot Ion: 65 Resp: 110843

Ion Ratio Lower Upper

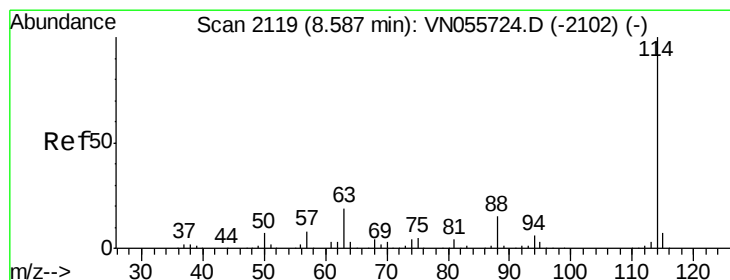
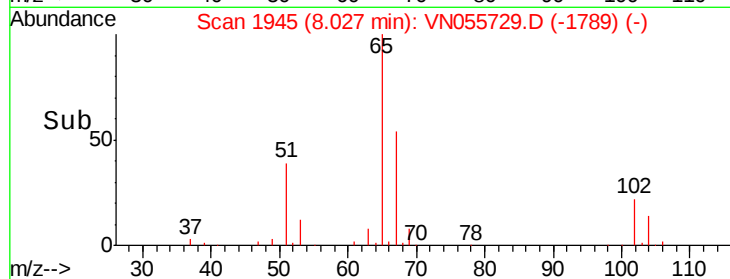
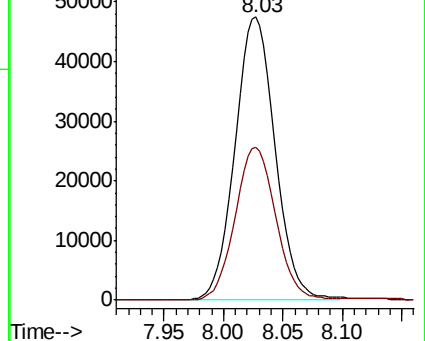
65 100

67 54.7 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: VN055729.D

Acq: 22 May 2019 20:17

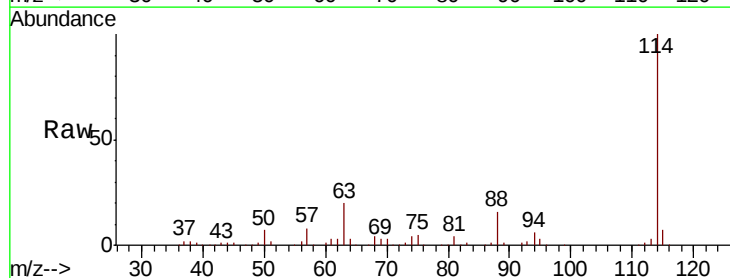
Tgt Ion: 114 Resp: 300890

Ion Ratio Lower Upper

114 100

63 19.5 15.6 23.4

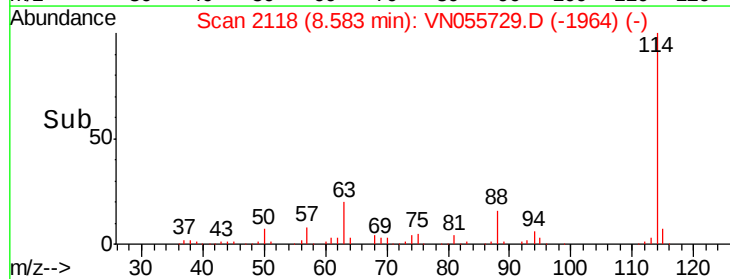
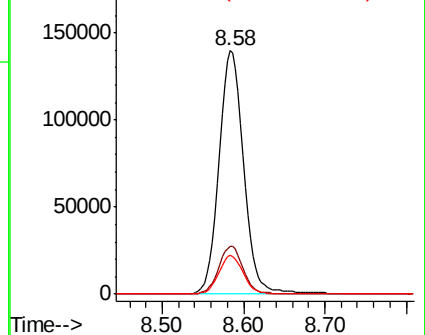
88 15.7 12.3 18.5

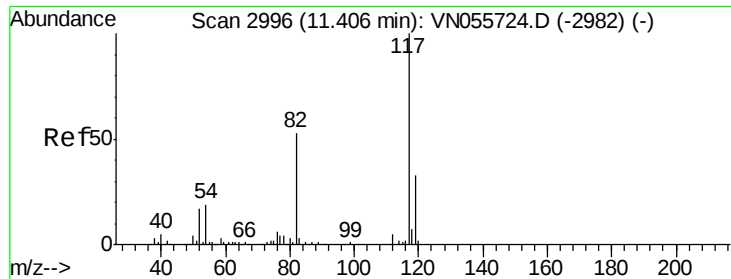


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

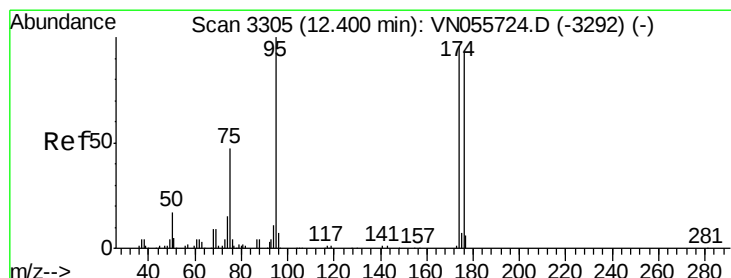
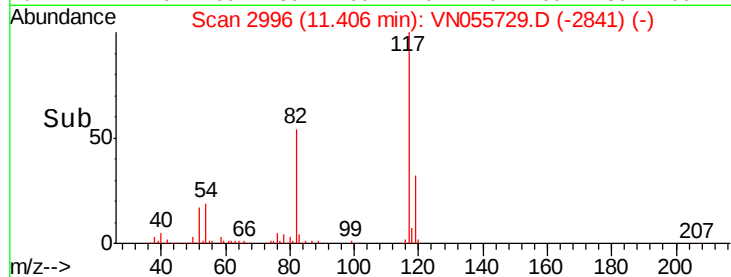
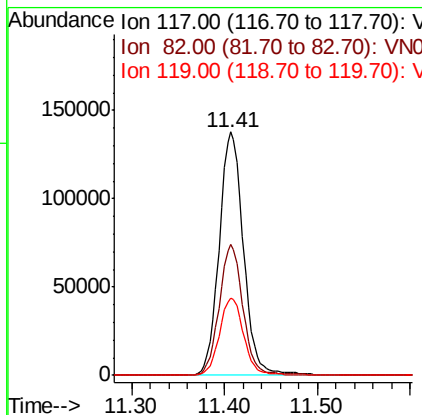
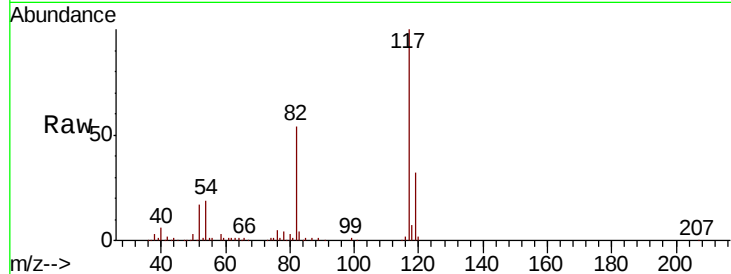




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055729.D
Acq: 22 May 2019 20:17

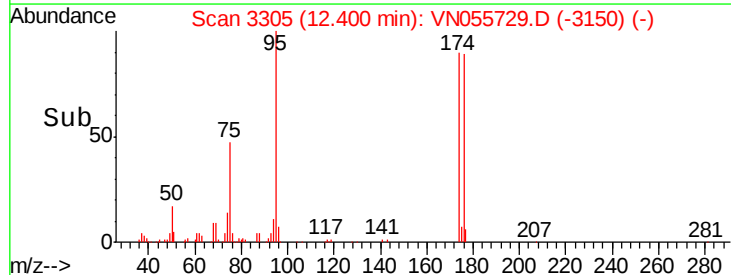
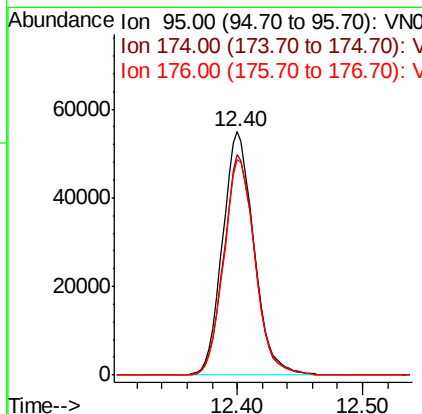
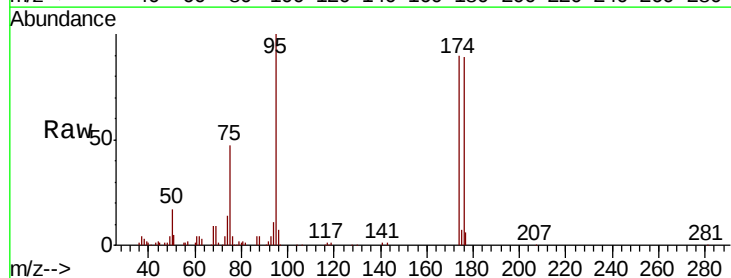
Instrument :
MSVOA_N
ClientSampleId :
VN0522WBL01

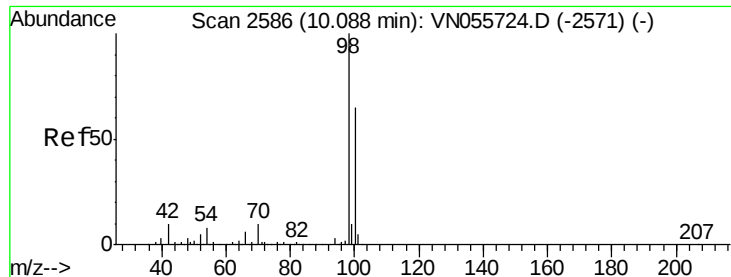
Tot Ion:117 Resp: 250177
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 31.8 25.9 38.9



#60
4-Bromofluorobenzene
Concen: 24.439 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055729.D
Acq: 22 May 2019 20:17

Tgt Ion: 95 Resp: 95112
Ion Ratio Lower Upper
95 100
174 90.0 75.7 113.5
176 88.4 74.1 111.1





#63

Toluene-d8

Concen: 31.516 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055729.D

Acq: 22 May 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

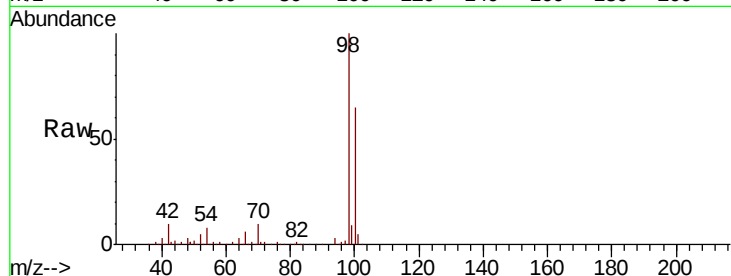
VN0522WBL01

Tot Ion: 98 Resp: 360323

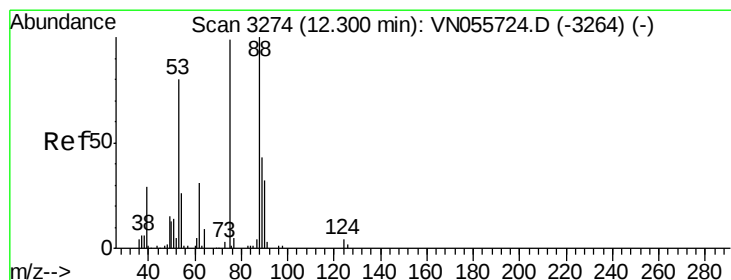
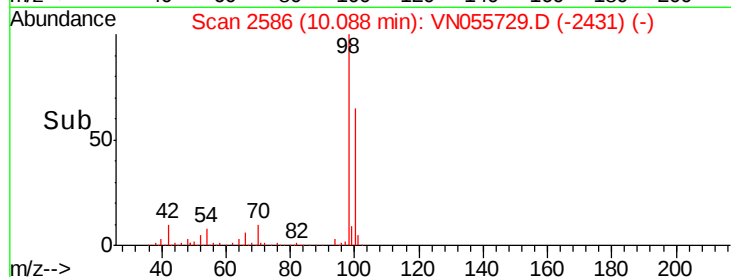
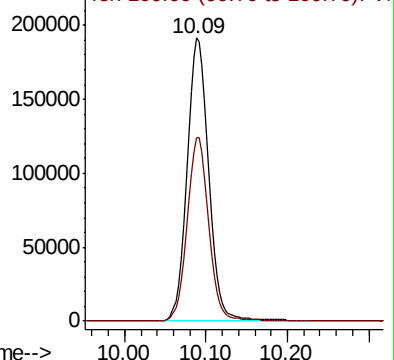
Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055729.D (-2431) (-)



#77

t-1,4-Dichloro-2-butene

Concen: 29.013 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055729.D

Acq: 22 May 2019 20:17

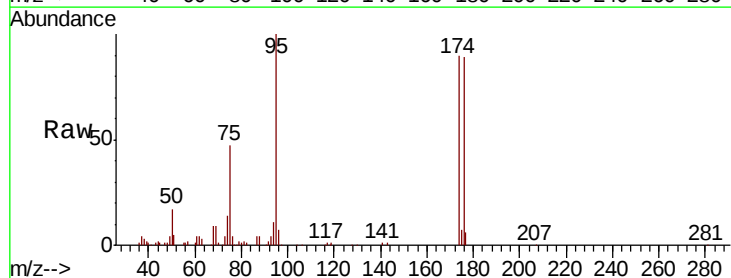
Tgt Ion: 75 Resp: 44132

Ion Ratio Lower Upper

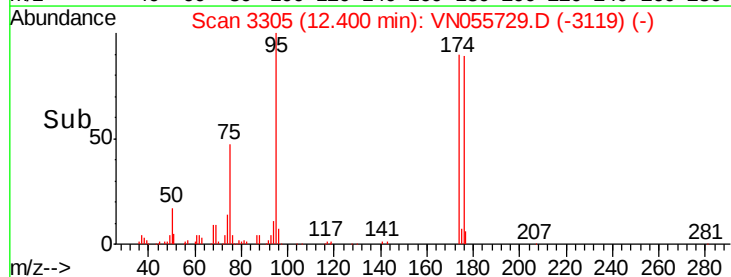
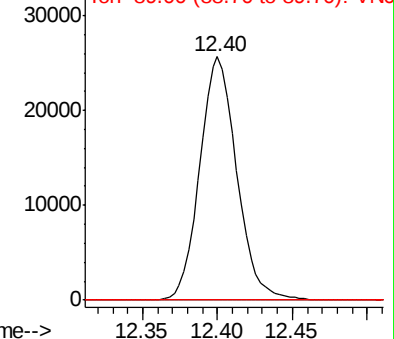
75 100

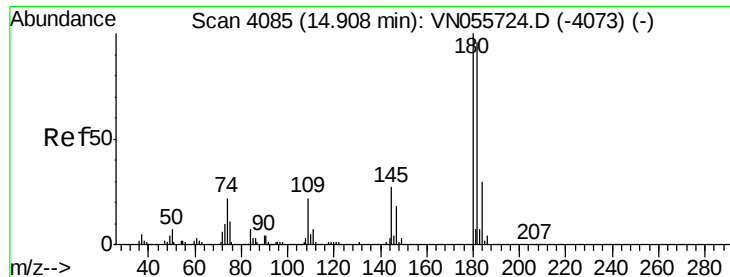
53 0.0 40.1 120.3#

89 0.0 22.6 67.8#



Abundance Ion 75.00 (74.70 to 75.70): VN055729.D (-3119) (-)

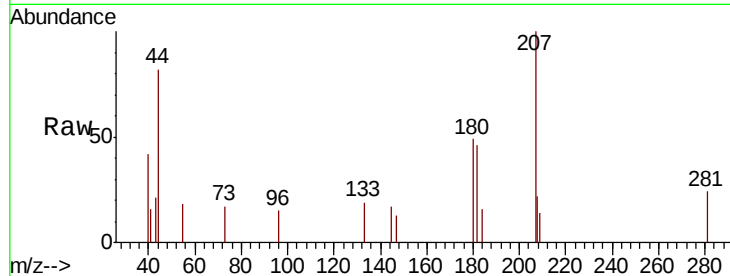




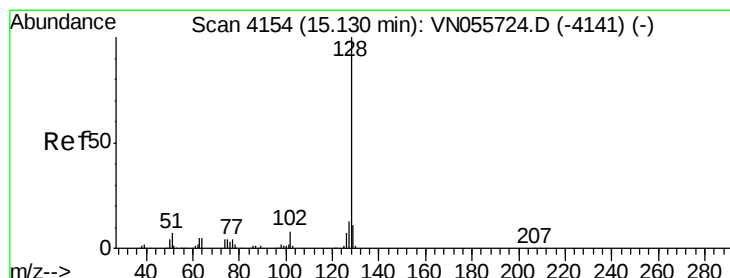
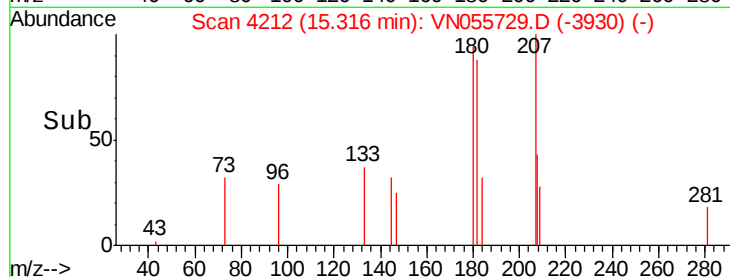
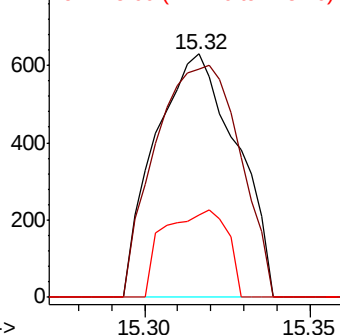
#89
 1,2,4-Trichlorobenzene
 Concen: 0.331 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.41 min
 Lab File: VN055729.D
 Acq: 22 May 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Tot Ion:180 Resp: 1080
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.1 114.1
 145 27.5 21.8 32.8

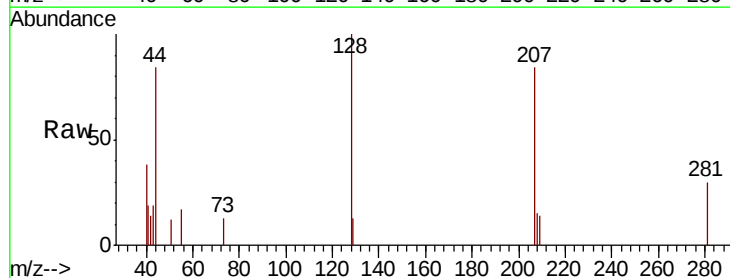


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

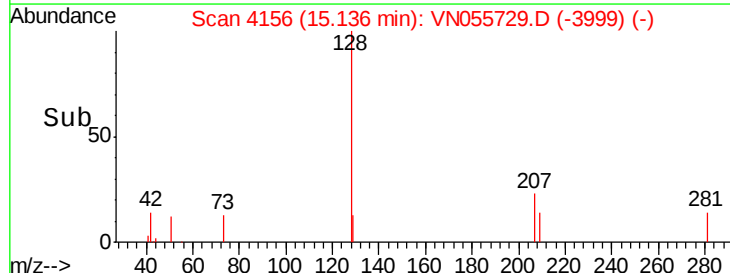
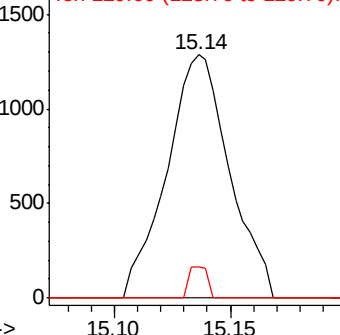


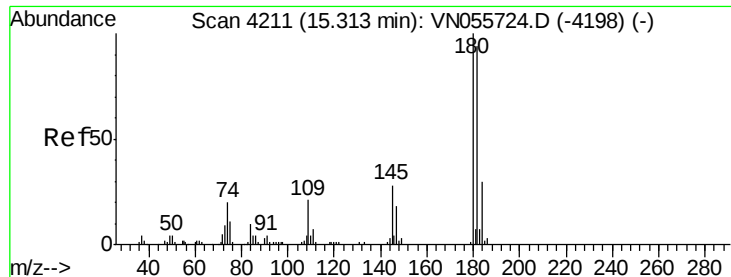
#91
 Naphthalene
 Concen: 0.272 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN055729.D
 Acq: 22 May 2019 20:17

Tgt Ion:128 Resp: 2424
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 3.8 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





#92
 1,2,3-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055729.D
 Acq: 22 May 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0522WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	0.0	188.6
145	27.5	0.0	56.8

