

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056628.D
 Acq On : 9 Jul 2019 14:30
 Operator : JC/SP
 Sample : K3712-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-TB-20190708

Quant Time: Jul 10 01:28:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49205	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	272658	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	226938	30.00	ug/l	0.00

System Monitoring Compounds

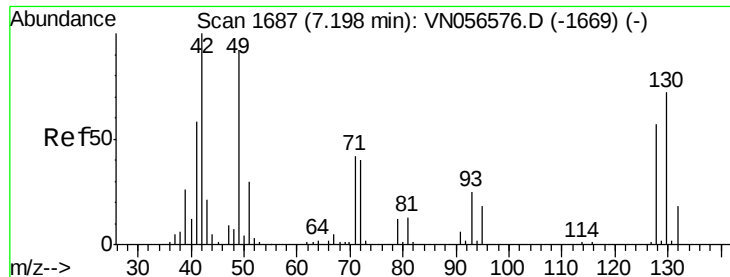
27) 1,2-Dichloroethane-d4	8.03	65	102024	30.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.40	95	89141	25.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.20%
63) Toluene-d8	10.09	98	322176	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
5) Bromomethane	2.53	94	482	0.268 ug/l	86
11) Methyl Iodide	3.95	142	1468	0.382 ug/l #	63
12) Methyl Acetate	4.33	43	2601	0.717 ug/l	90
15) Acetone	3.83	58	553	1.244 ug/l #	42
16) Carbon Disulfide	4.04	76	3060	0.473 ug/l #	75
18) Methylene Chloride	4.54	84	794	0.250 ug/l #	29
50) 1,1,2-Trichloroethane	10.09	97	9126	2.957 ug/l #	1
59) 2-Hexanone	10.76	43	671	0.222 ug/l #	81
77) t-1,4-Dichloro-2-butene	12.40	75	41035	35.237 ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	1473	0.469 ug/l	96
91) Naphthalene	15.14	128	4809	0.545 ug/l #	93
92) 1,2,3-Trichlorobenzene	15.32	180	2290	0.694 ug/l	95

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

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ALS Vial : 9 Sample Multiplier: 1



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

Instrument :

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ClientSampleId :

TT-TB-20190708

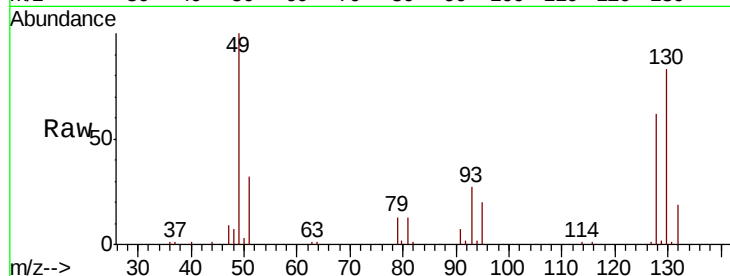
Tot Ion:128 Resp: 49205

Ion Ratio Lower Upper

128 100

49 159.8 0.0 355.8

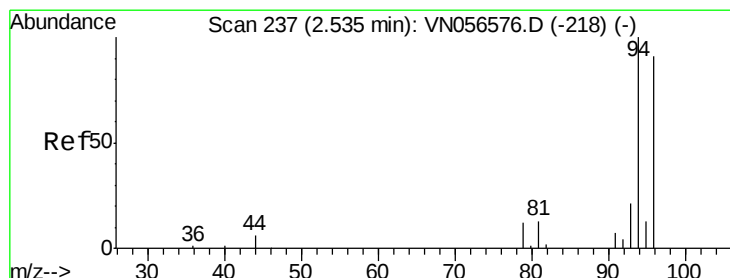
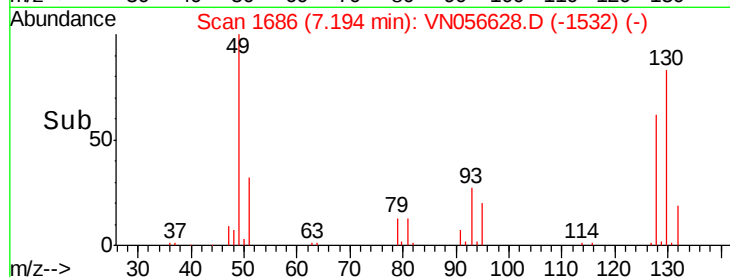
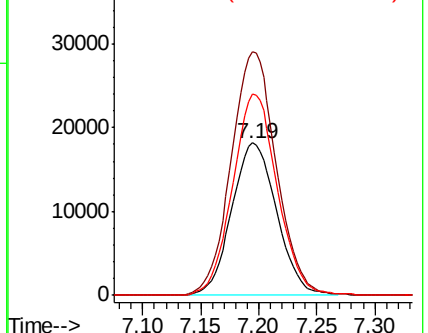
130 130.9 0.0 326.3



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



#5

Bromomethane

Concen: 0.268 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN056628.D

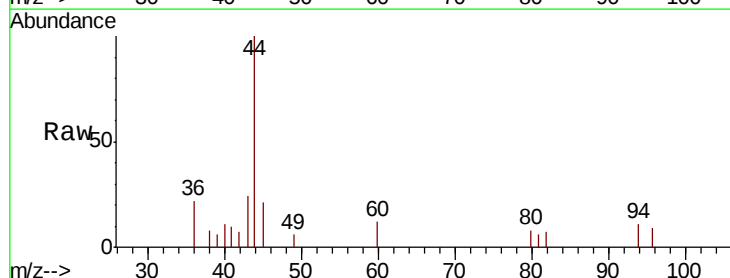
Acq: 9 Jul 2019 14:30

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

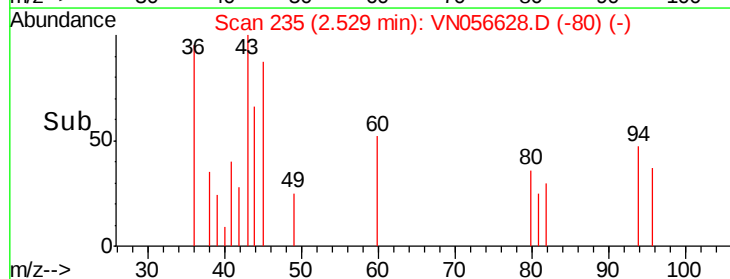
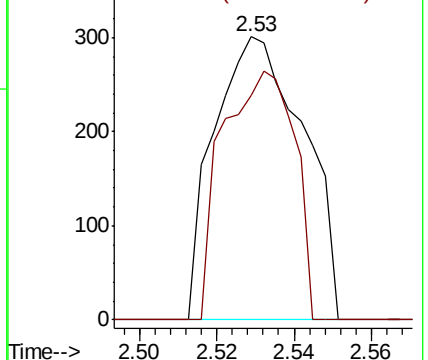
94 100

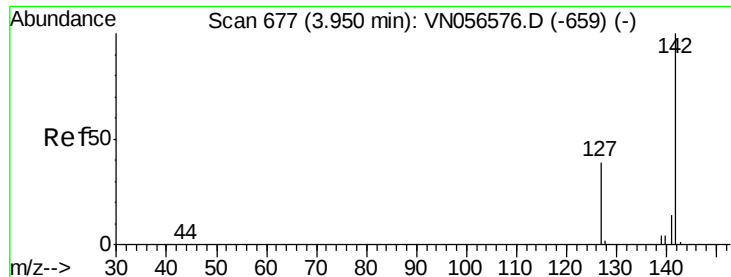
96 79.4 74.1 111.1



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

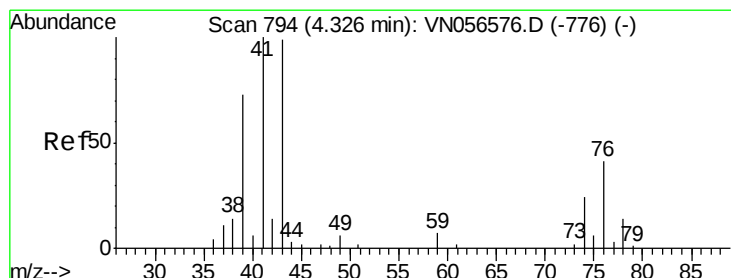
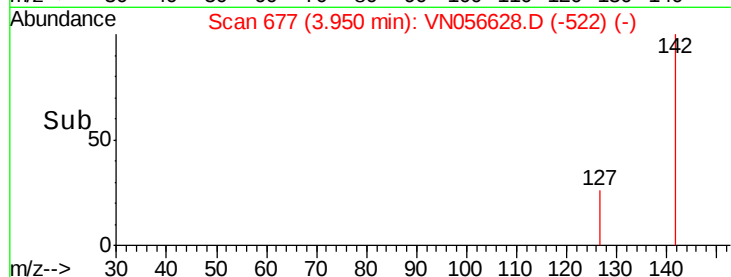
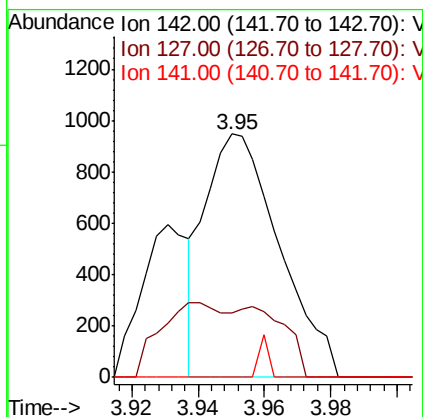
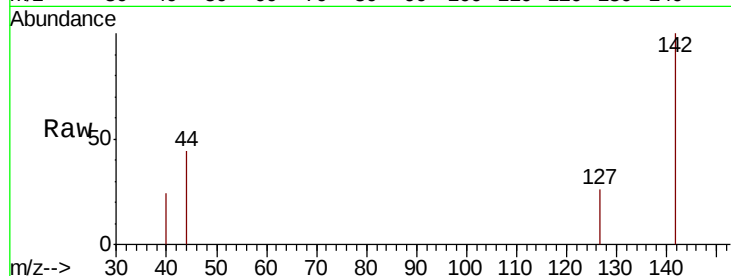




#11
Methyl Iodide
Concen: 0.382 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

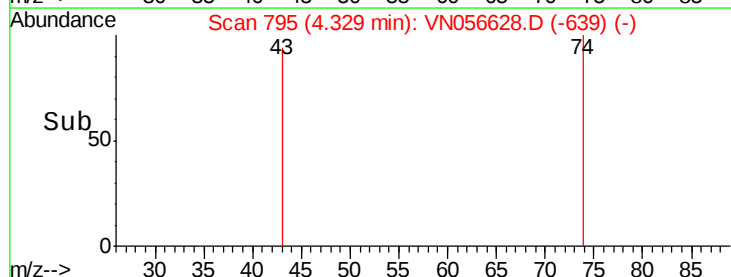
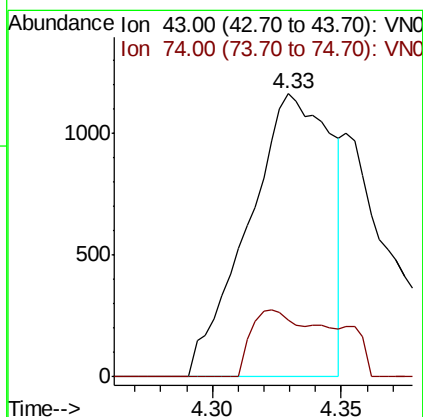
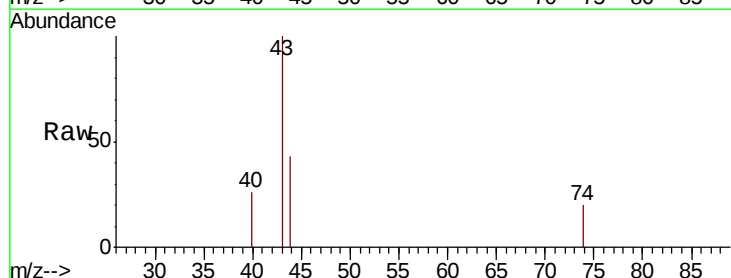
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20190708

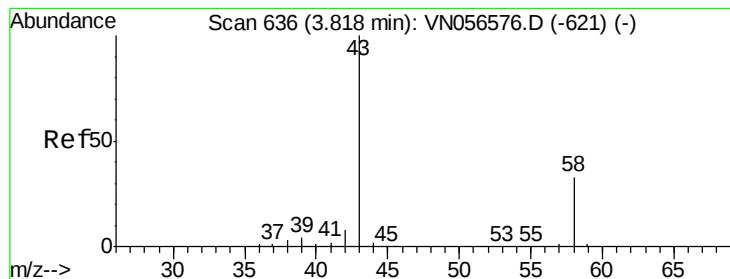
Tot Ion:142 Resp: 1468
Ion Ratio Lower Upper
142 100
127 15.2 19.0 57.0#
141 0.0 6.7 20.0#



#12
Methyl Acetate
Concen: 0.717 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

Tgt Ion: 43 Resp: 2601
Ion Ratio Lower Upper
43 100
74 20.0 19.9 29.9





#15

Acetone

Concen: 1.244 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

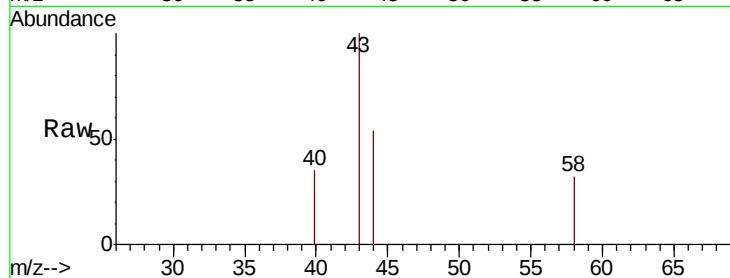
TT-TB-20190708

Tot Ion: 58 Resp: 553

Ion Ratio Lower Upper

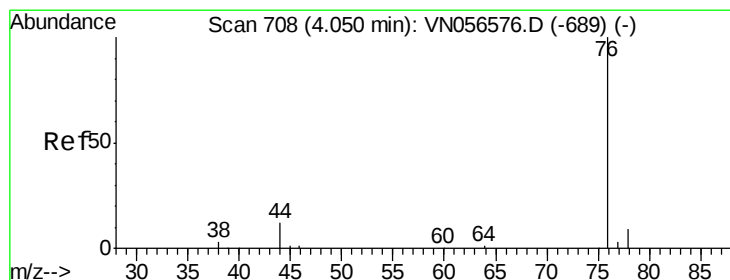
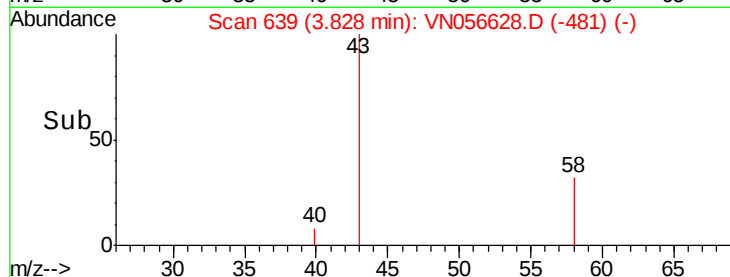
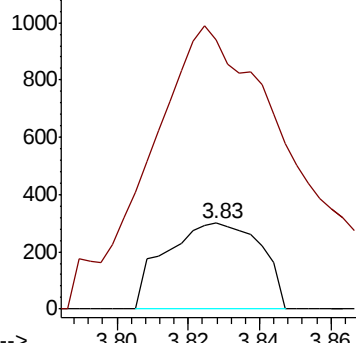
58 100

43 178.6 232.5 348.7#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.473 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN056628.D

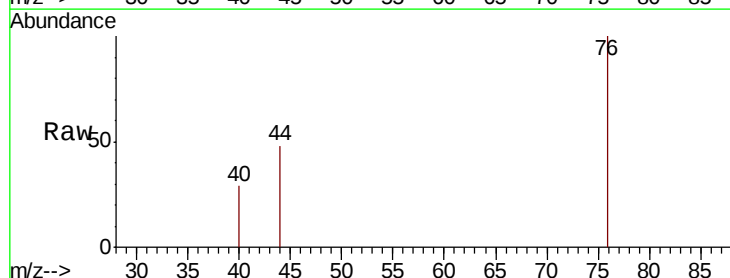
Acq: 9 Jul 2019 14:30

Tgt Ion: 76 Resp: 3060

Ion Ratio Lower Upper

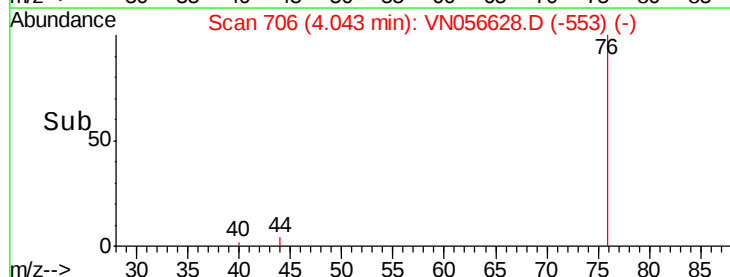
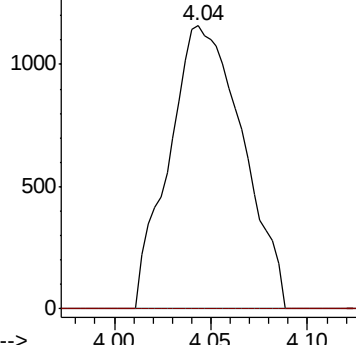
76 100

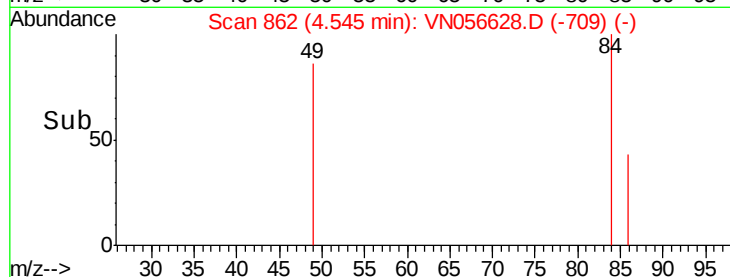
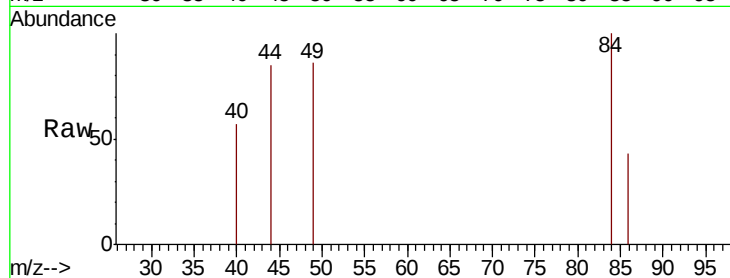
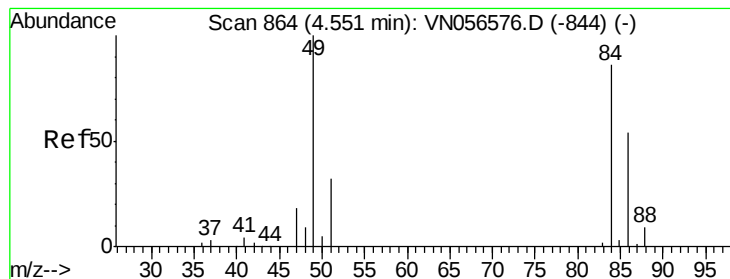
78 0.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#18

Methylene Chloride

Concen: 0.250 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.01 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190708

Tot Ion: 84 Resp: 794

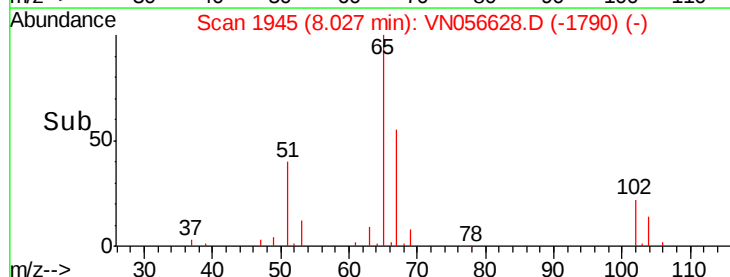
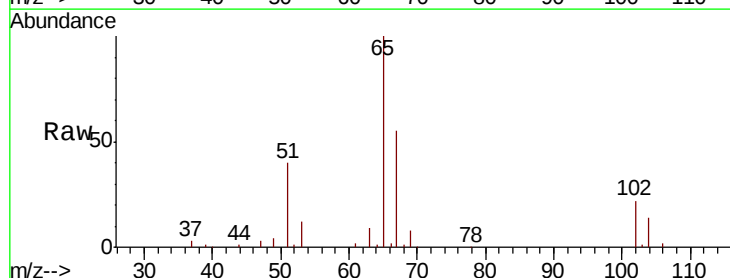
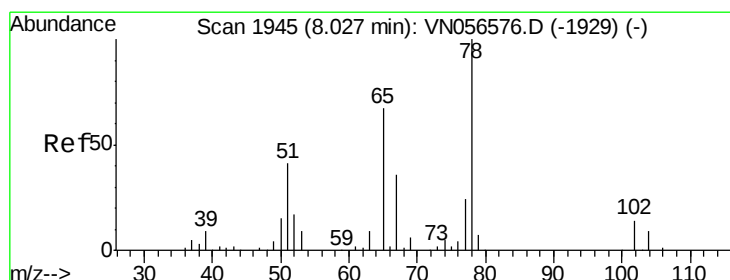
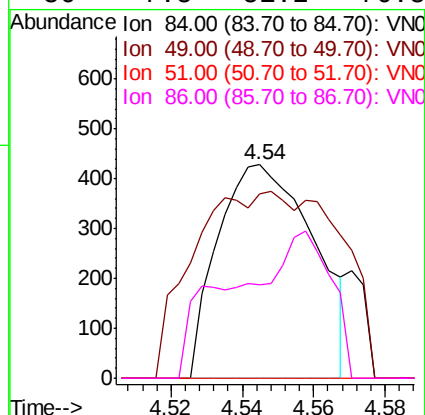
Ion Ratio Lower Upper

84 100

49 32.5 87.6 131.4#

51 0.0 27.0 40.4#

86 7.5 51.2 76.8#



#27

1,2-Dichloroethane-d4

Concen: 30.076 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056628.D

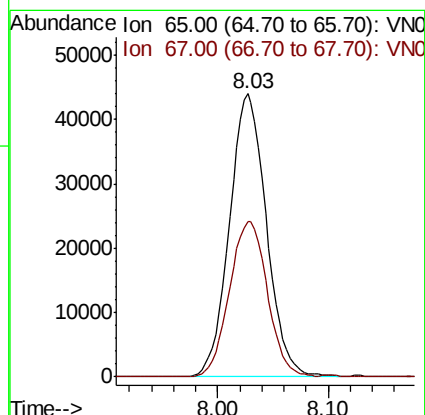
Acq: 9 Jul 2019 14:30

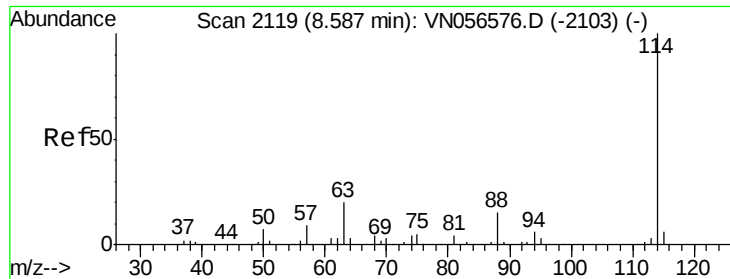
Tgt Ion: 65 Resp: 102024

Ion Ratio Lower Upper

65 100

67 56.3 43.4 65.2

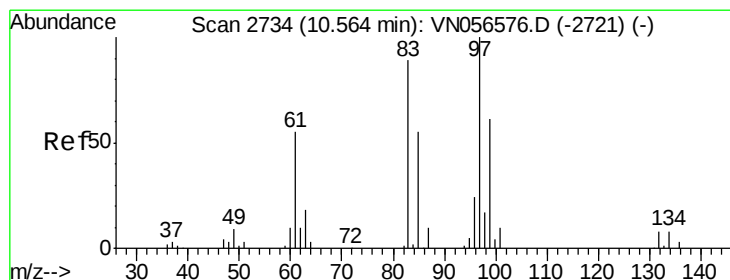
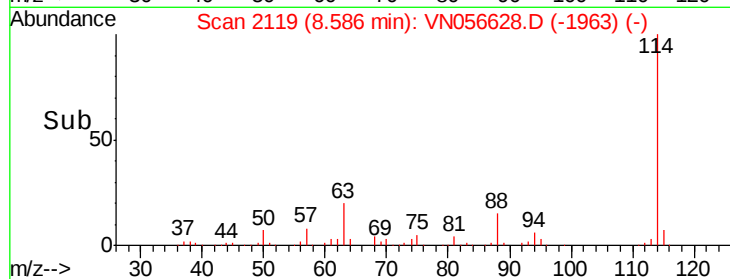
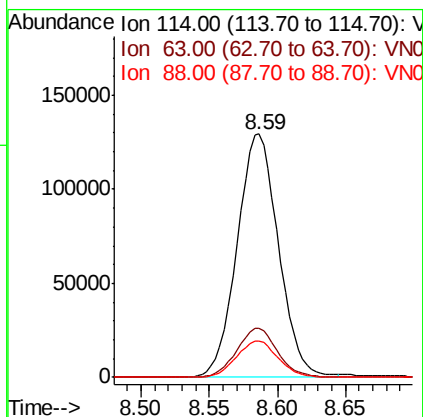
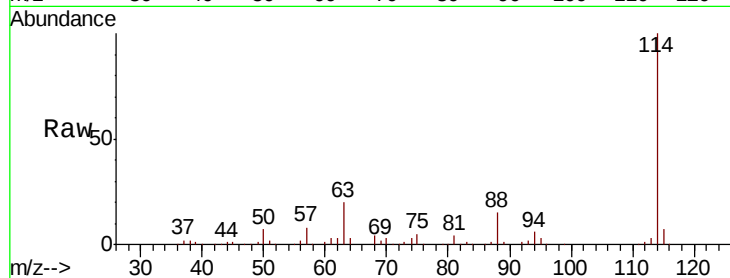




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056628.D
 Acq: 9 Jul 2019 14:30

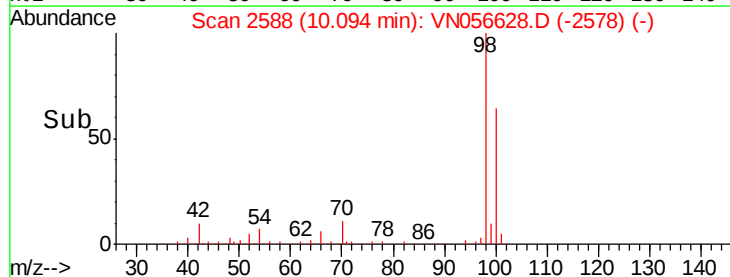
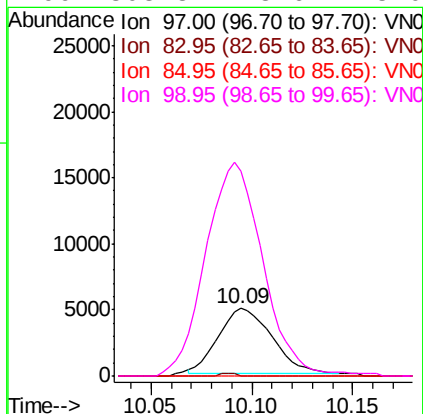
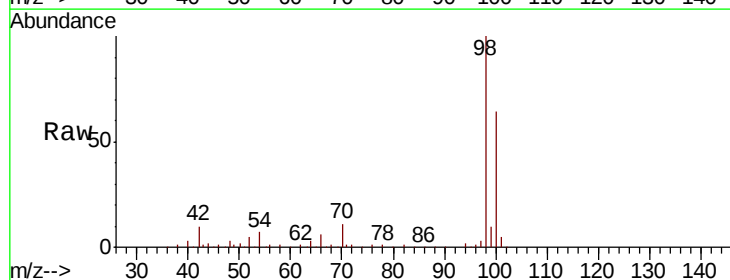
Instrument :
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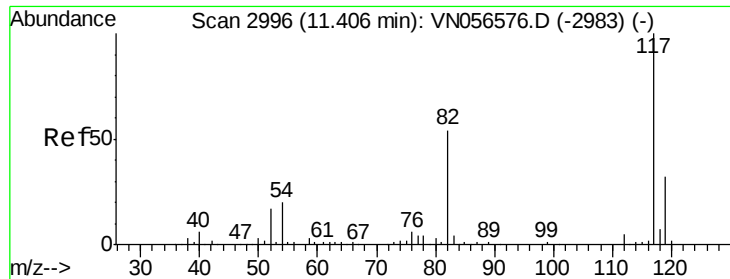
Tot Ion:114 Resp: 272658
 Ion Ratio Lower Upper
 114 100
 63 19.8 14.7 22.1
 88 15.0 11.9 17.9



#50
 1,1,2-Trichloroethane
 Concen: 2.957 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.47 min
 Lab File: VN056628.D
 Acq: 9 Jul 2019 14:30

Tgt Ion: 97 Resp: 9126
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.9 100.3#
 85 0.0 43.3 64.9#
 99 308.8 48.6 73.0#

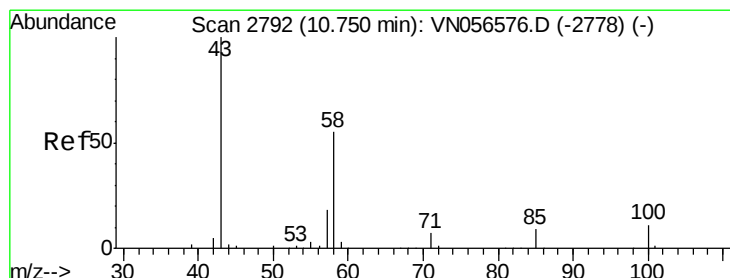
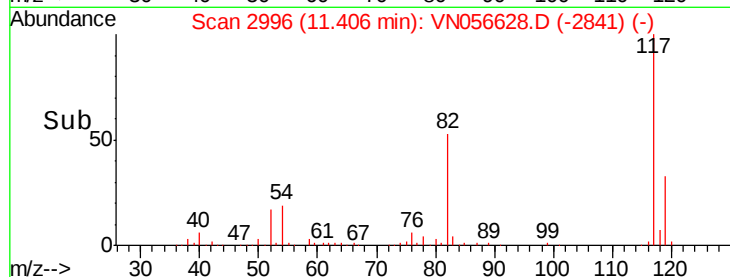
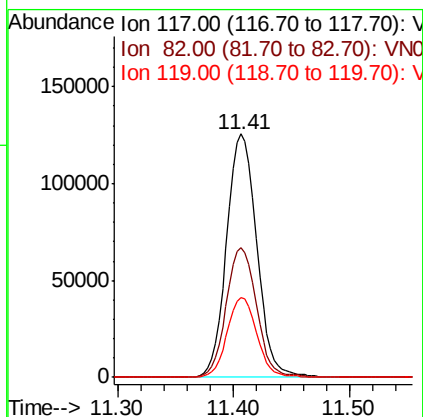
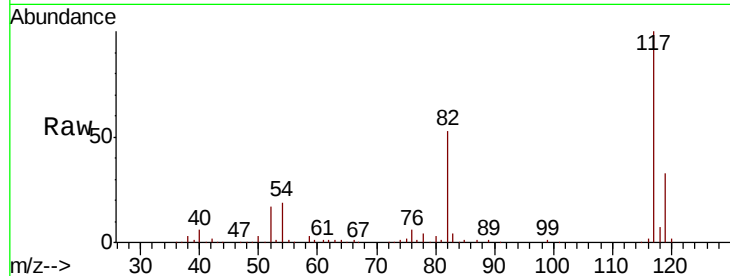




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

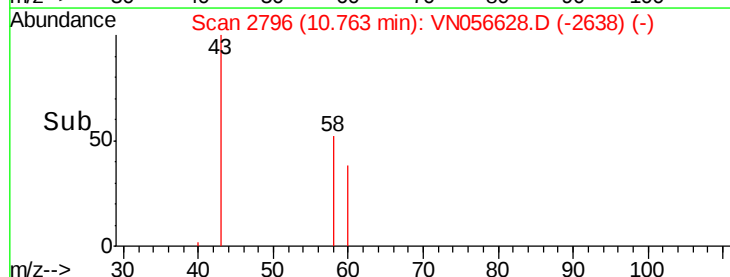
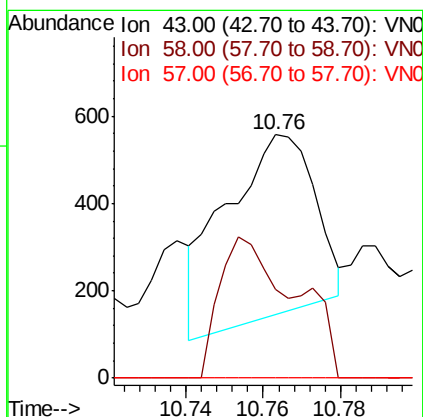
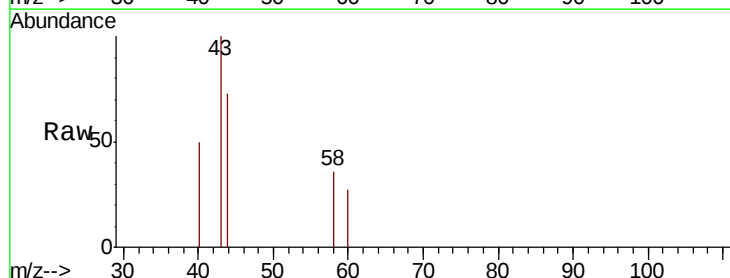
Instrument :
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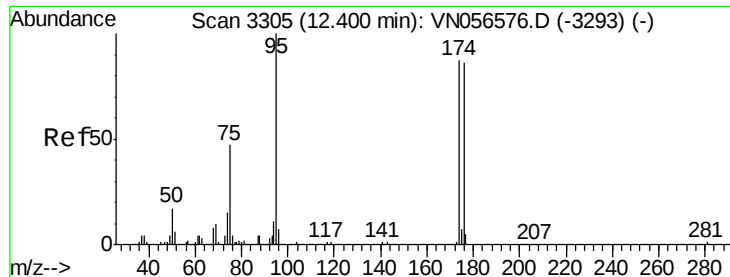
Tot Ion:117 Resp: 226938
Ion Ratio Lower Upper
117 100
82 53.6 41.2 61.8
119 32.5 26.2 39.2



#59
2-Hexanone
Concen: 0.222 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 48.6 45.3 67.9
57 0.0 15.6 23.4#





#60

4-Bromofluorobenzene

Concen: 25.562 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190708

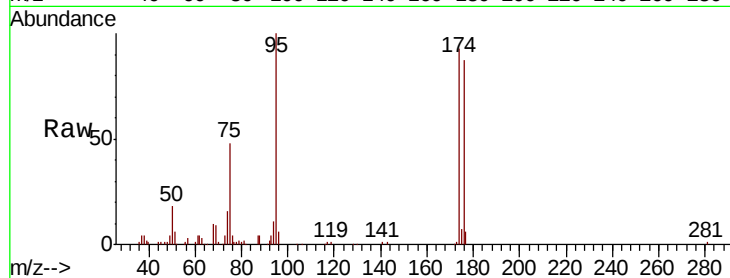
Tot Ion: 95 Resp: 89141

Ion Ratio Lower Upper

95 100

174 90.7 75.4 113.0

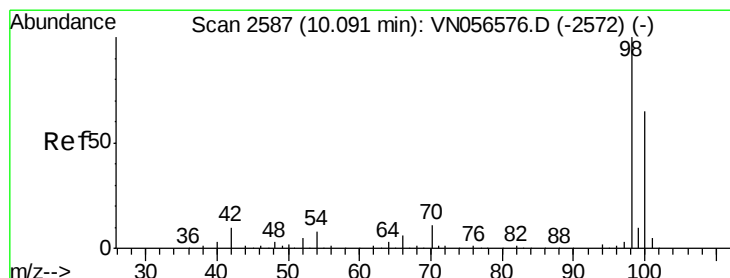
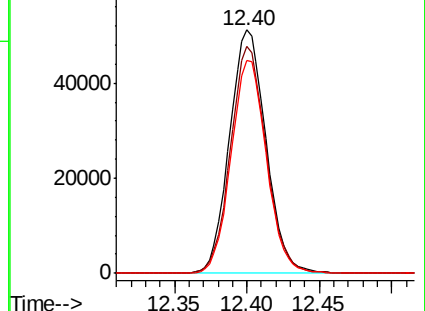
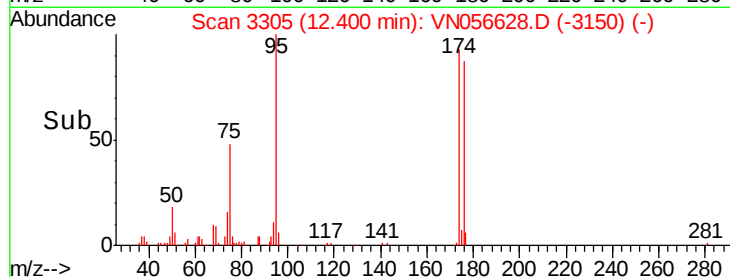
176 85.2 73.9 110.9



Abundance Ion 95.00 (94.70 to 95.70): VN056628.D (-3150) (-)

Ion 174.00 (173.70 to 174.70): VN056628.D (-3150) (-)

Ion 176.00 (175.70 to 176.70): VN056628.D (-3150) (-)



#63

Toluene-d8

Concen: 30.551 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056628.D

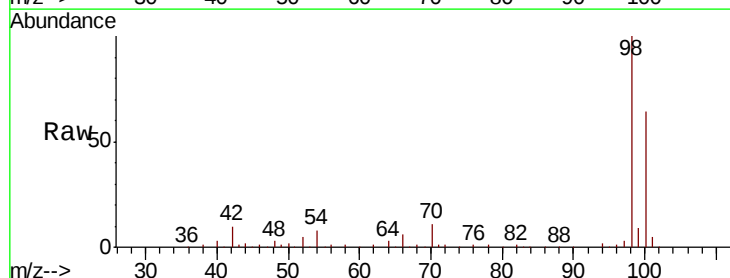
Acq: 9 Jul 2019 14:30

Tgt Ion: 98 Resp: 322176

Ion Ratio Lower Upper

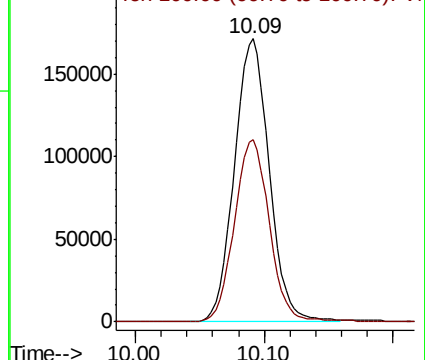
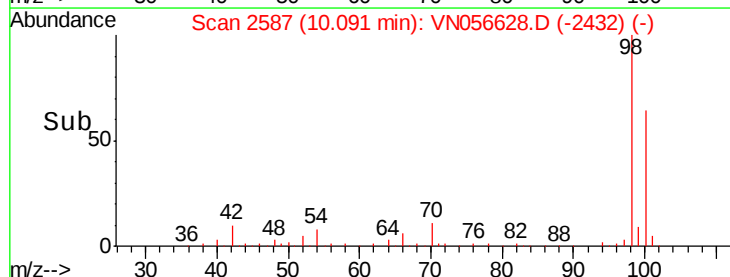
98 100

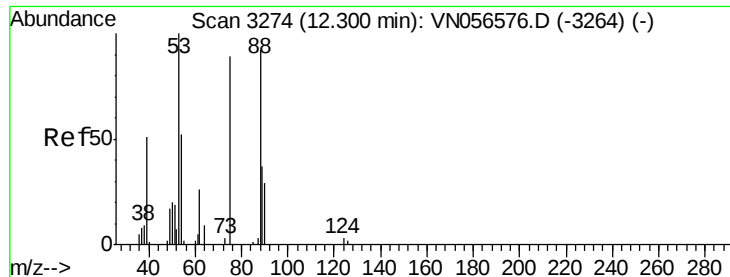
100 64.7 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056628.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN056628.D (-2432) (-)

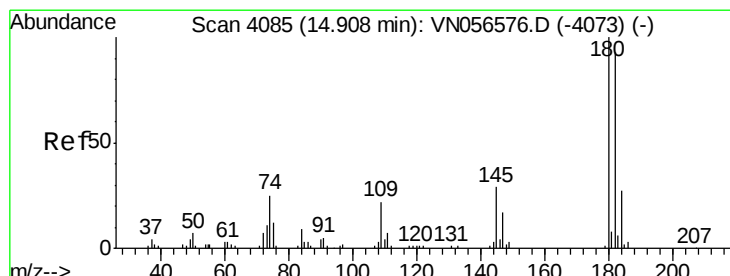
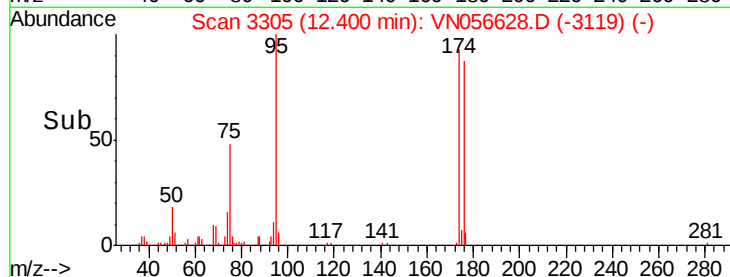
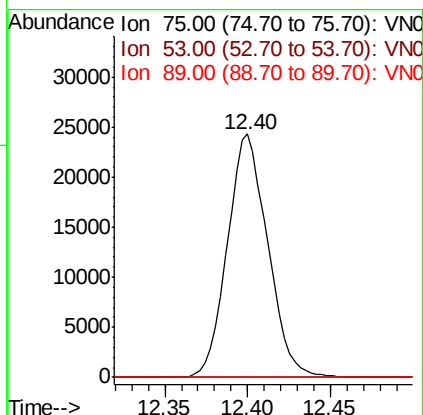
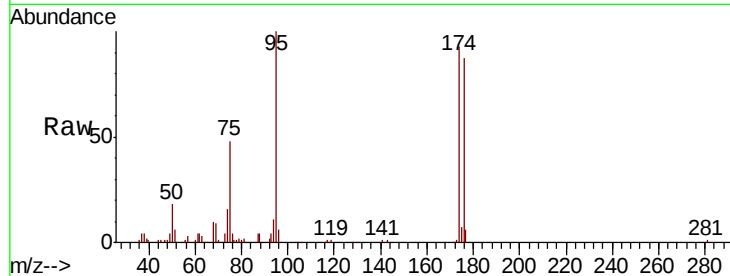




#77
t-1,4-Dichloro-2-butene
Concen: 35.237 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

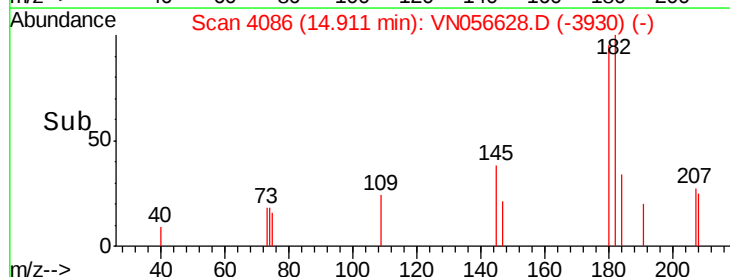
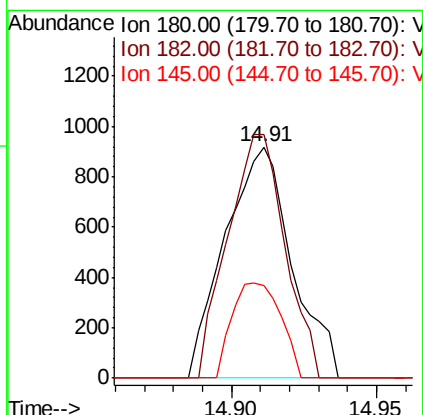
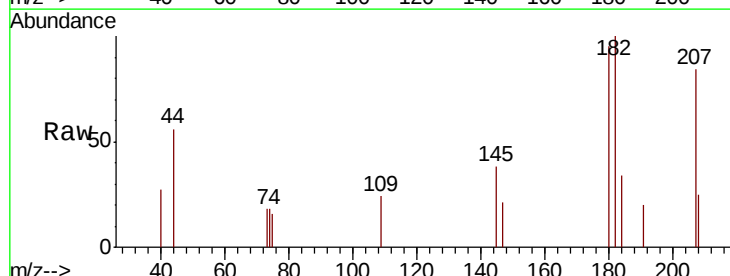
Instrument :
MSVOA_N
ClientSampleId :
TT-TB-20190708

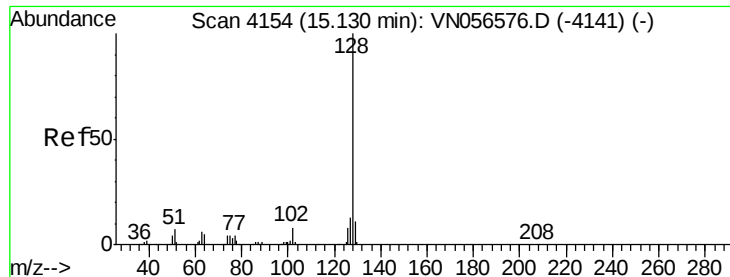
Tot Ion: 75 Resp: 41035
Ion Ratio Lower Upper
75 100
53 0.0 48.0 144.0#
89 0.0 22.5 67.5#



#89
1,2,4-Trichlorobenzene
Concen: 0.469 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN056628.D
Acq: 9 Jul 2019 14:30

Tgt Ion:180 Resp: 1473
Ion Ratio Lower Upper
180 100
182 90.0 75.0 112.6
145 30.1 22.1 33.1





#91

Naphthalene

Concen: 0.545 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

TT-TB-20190708

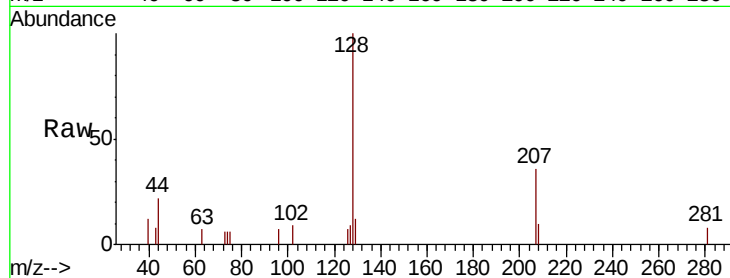
Tot Ion:128 Resp: 4809

Ion Ratio Lower Upper

128 100

127 9.2 10.4 15.6#

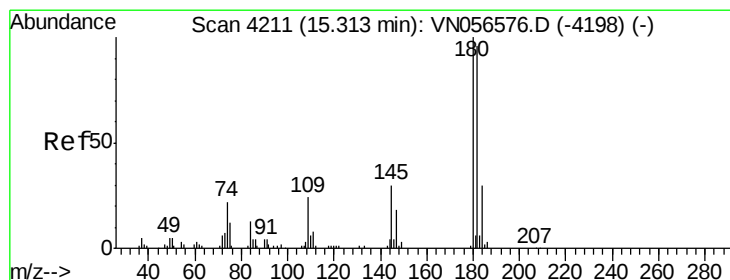
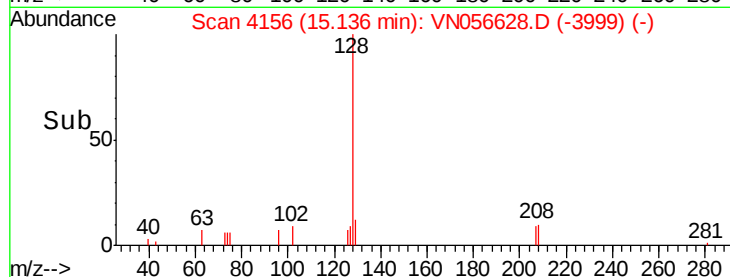
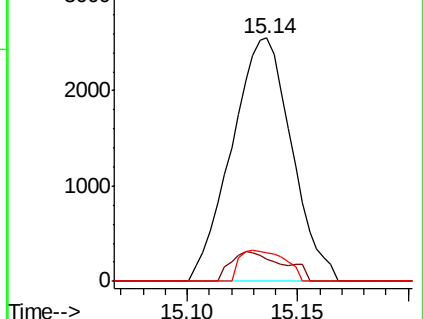
129 9.6 8.7 13.1



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: 0.694 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056628.D

Acq: 9 Jul 2019 14:30

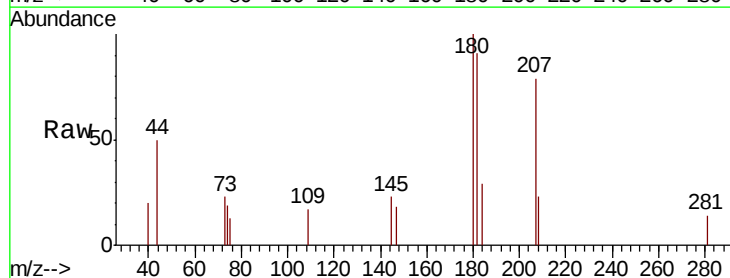
Tgt Ion:180 Resp: 2290

Ion Ratio Lower Upper

180 100

182 96.4 0.0 193.4

145 17.9 0.0 59.8



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

