

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052785.D
 Acq On : 11 Dec 2018 6:44
 Operator : MD\SY
 Sample : J6316-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Quant Time: Dec 11 07:30:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1210689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1880637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	736037	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	635698	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	7.59	113	545407	47.04	ug/l	0.00
Spiked Amount						
			Recovery	=	94.08%	
50) Toluene-d8	10.09	98	2321190	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	780840	51.49	ug/l	0.00
Spiked Amount						
			Recovery	=	102.98%	

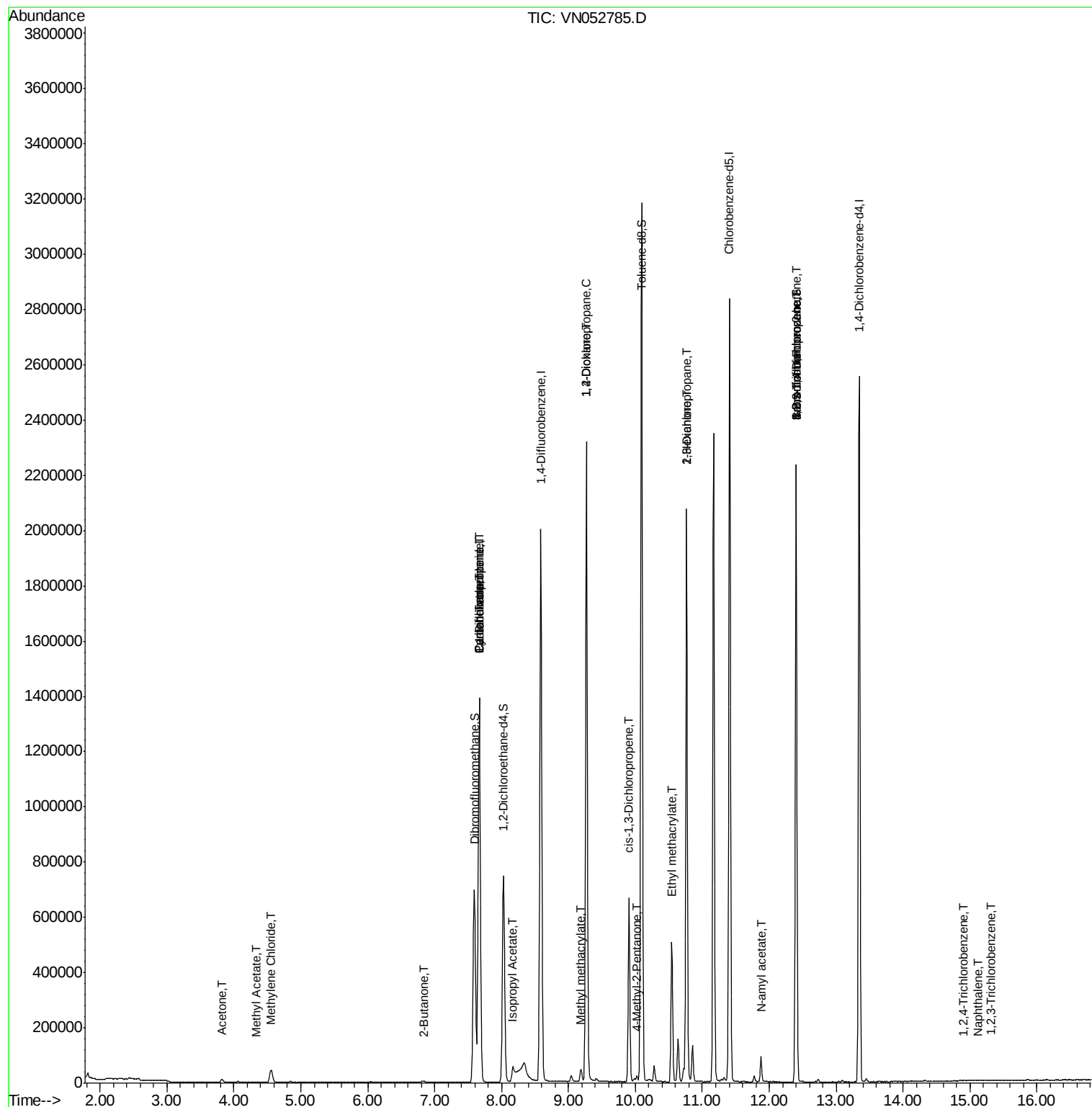
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21495	6.182	ug/l	98
18) Methyl Acetate	4.33	43	4816	0.483	ug/l #	80
20) Methylene Chloride	4.56	84	34718	2.552	ug/l	98
25) 2-Butanone	6.85	43	1488	0.302	ug/l	94
31) Cyclohexane	7.67	56	20642	0.548	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	81147	4.569	ug/l #	50
38) Carbon Tetrachloride	7.67	117	104893	6.524	ug/l #	16
43) Isopropyl Acetate	8.17	43	71754	3.912	ug/l #	73
45) 1,2-Dichloropropane	9.27	63	2816	0.200	ug/l #	43
48) Methyl methacrylate	9.18	41	15276	1.597	ug/l #	13
49) 1,4-Dioxane	9.27	88	231	2.327	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	16051	1.560	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	121367	6.216	ug/l #	62
56) Ethyl methacrylate	10.54	69	1323	2.775	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	22026	1.128	ug/l #	43
59) 2-Hexanone	10.76	43	291765	42.243	ug/l #	51
71) Bromoform	12.40	173	4970	0.610	ug/l #	1
74) N-amyl acetate	11.88	43	28260	1.937	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	366370	32.279	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	366370	107.797	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	252	2.848	ug/l #	22
95) Naphthalene	15.14	128	933	3.460	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	63	2.732	ug/l #	1

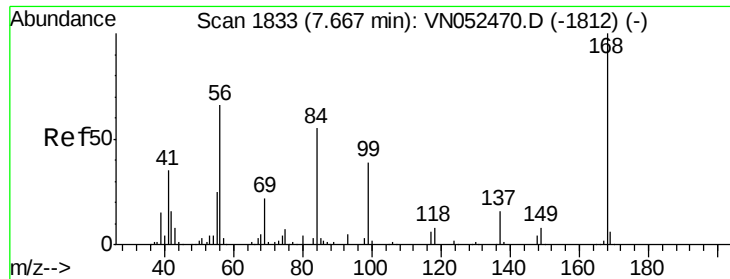
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 07:30:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

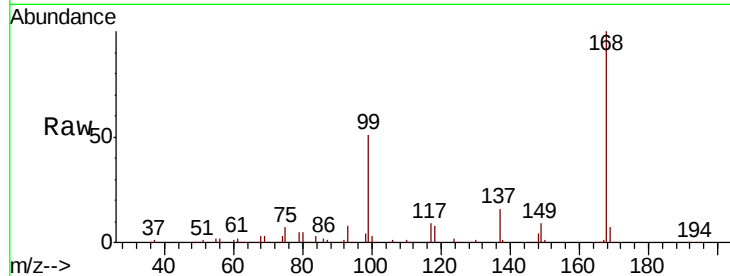
AVE-X-B-BALL-FIELD-S-1

Tot Ion:168 Resp: 1210689

Ion Ratio Lower Upper

168 100

99 51.2 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052785.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052785.D (-1740) (-)

7.67

600000

500000

400000

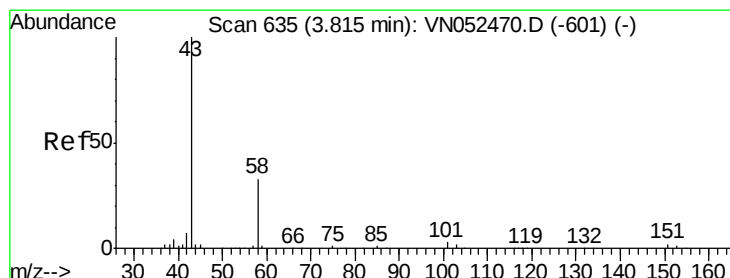
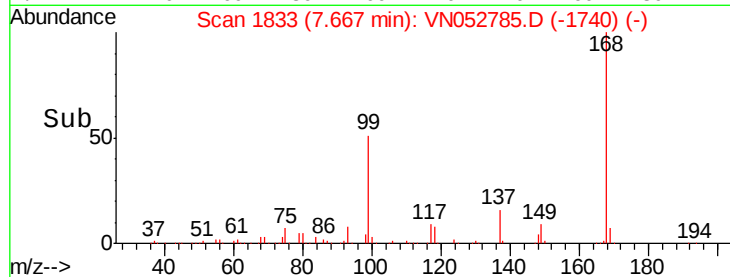
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.182 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052785.D

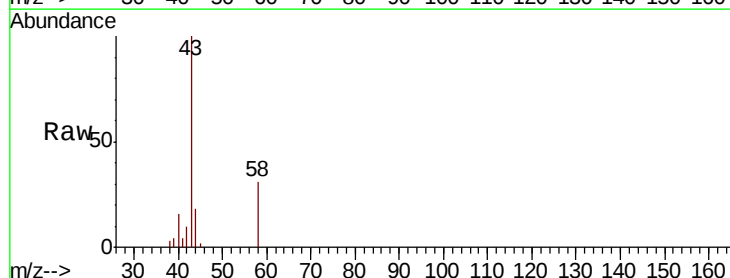
Acq: 11 Dec 2018 6:44

Tgt Ion: 43 Resp: 21495

Ion Ratio Lower Upper

43 100

58 31.4 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052785.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052785.D (-542) (-)

3.82

8000

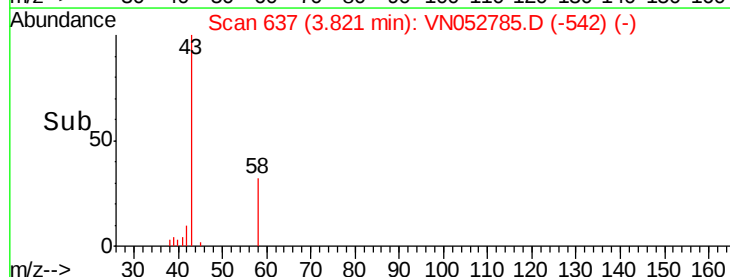
6000

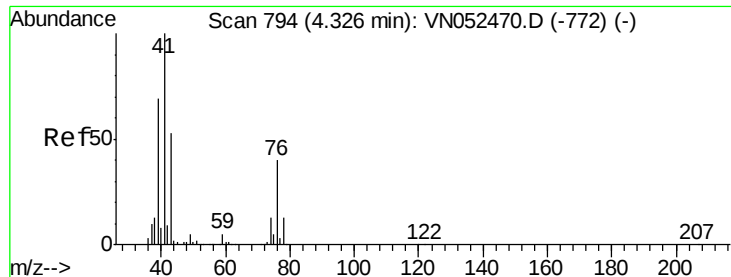
4000

2000

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Time-->

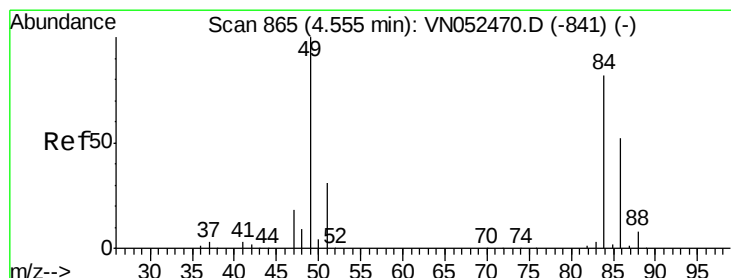
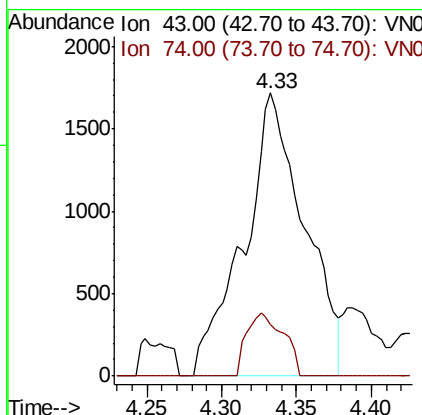
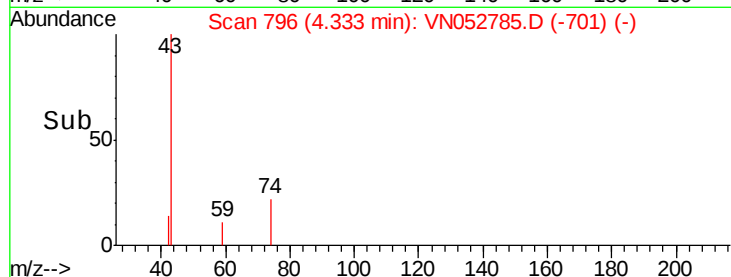
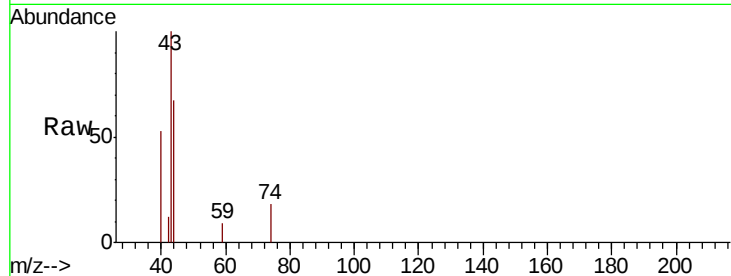




#18
Methvl Acetate
Concen: 0.483 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

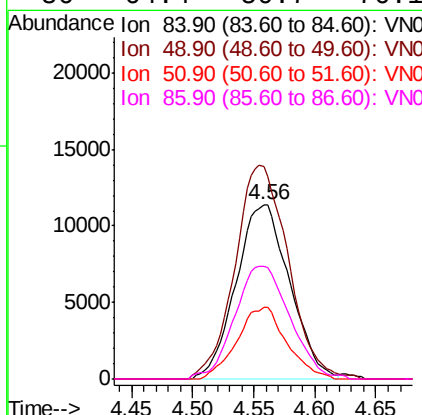
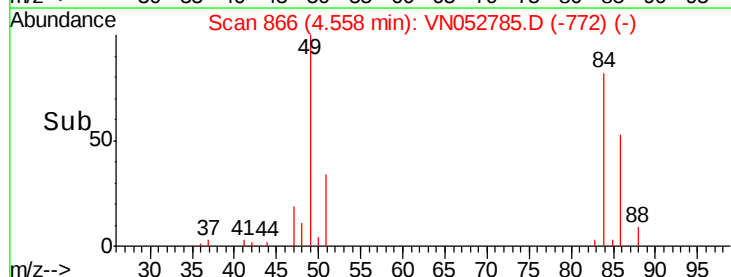
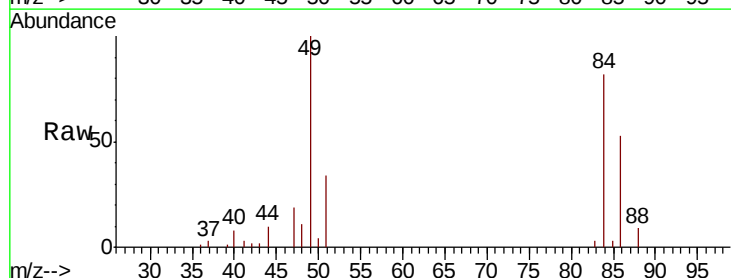
Instrument :
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AVE-X-B-BALL-FIELD-S-1

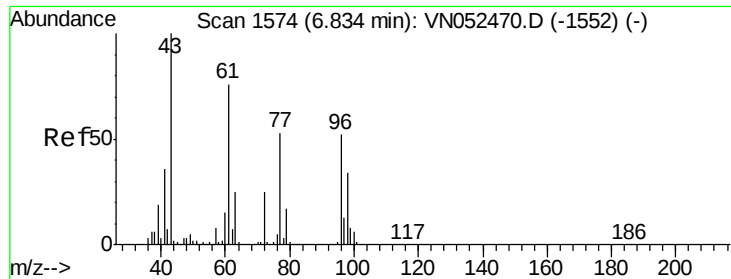
Tot Ion: 43 Resp: 4816
Ion Ratio Lower Upper
43 100
74 13.6 18.6 27.8#



#20
Methylene Chloride
Concen: 2.552 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion: 84 Resp: 34718
Ion Ratio Lower Upper
84 100
49 121.8 98.0 147.0
51 40.9 30.1 45.1
86 64.4 50.7 76.1

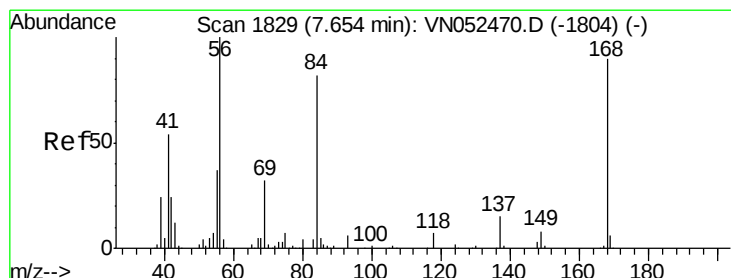
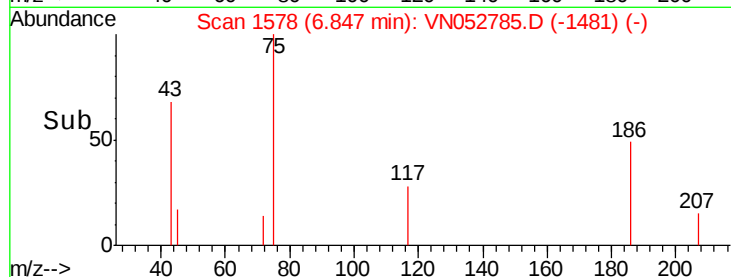
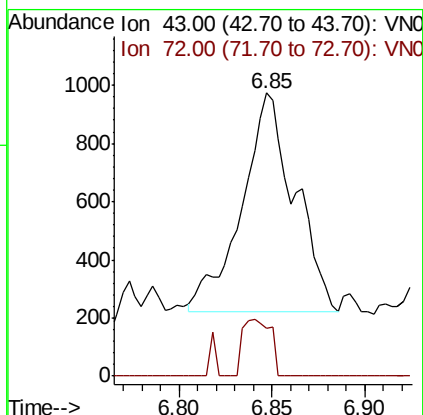
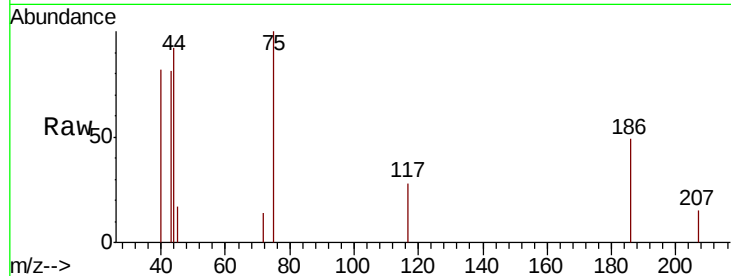




#25
2-Butanone
Concen: 0.302 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

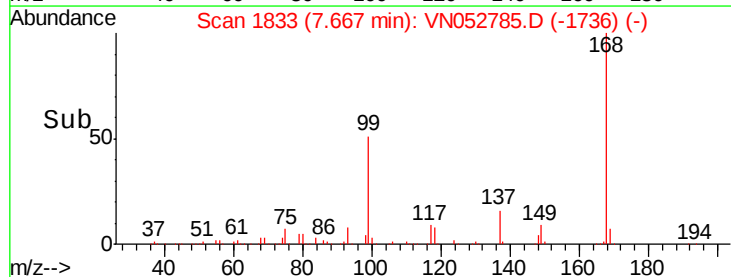
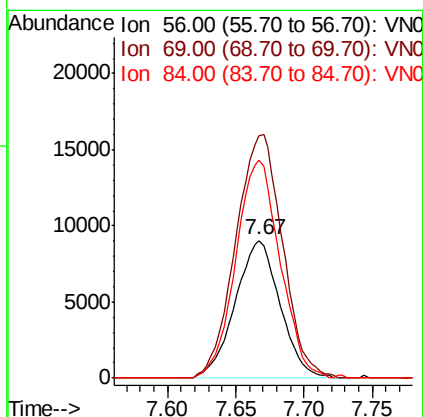
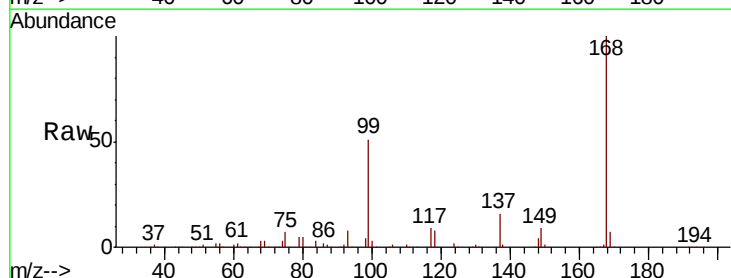
Instrument :
MSVOA_N
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

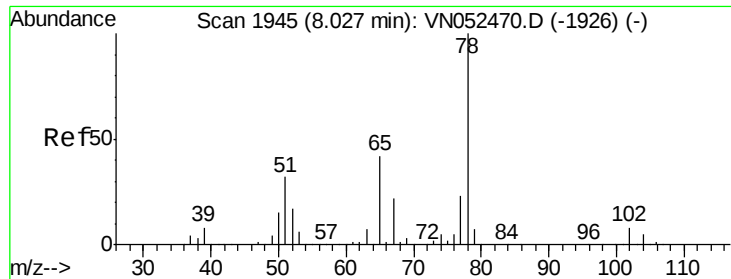
Tot Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
72 22.0 20.1 30.1



#31
Cyclohexane
Concen: 0.548 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion: 56 Resp: 20642
Ion Ratio Lower Upper
56 100
69 176.1 25.8 38.6#
84 158.8 65.3 97.9#

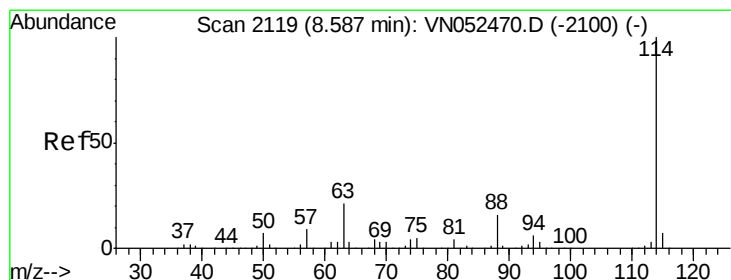
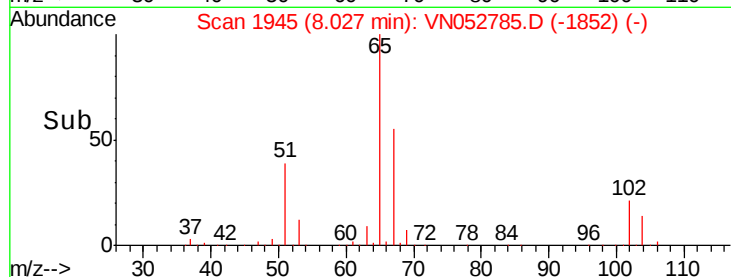
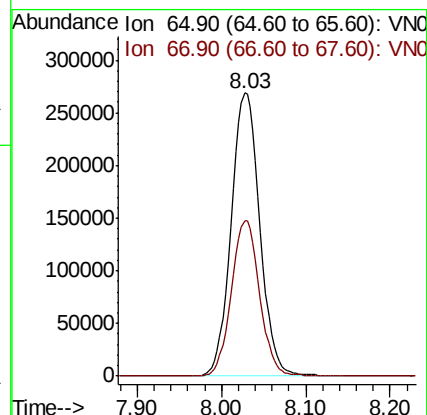
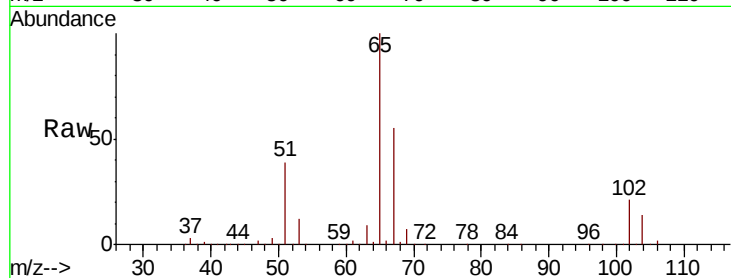




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052785.D
 Acq: 11 Dec 2018 6:44

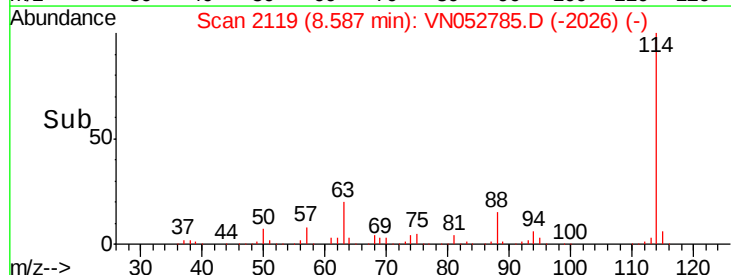
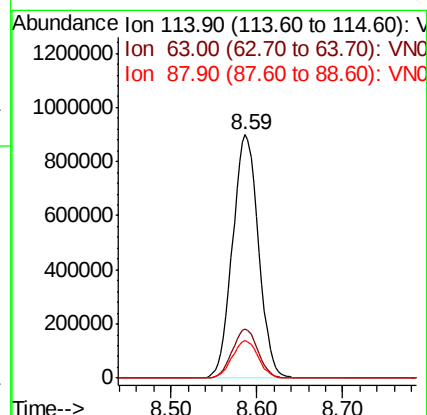
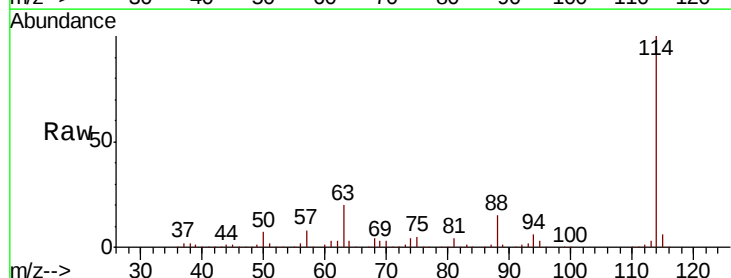
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 MSVOA_N
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

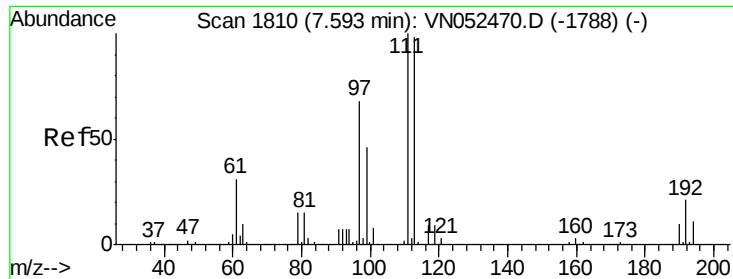
Tot Ion: 65 Resp: 635698
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052785.D
 Acq: 11 Dec 2018 6:44

Tgt Ion: 114 Resp: 1880637
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.2 0.0 31.6

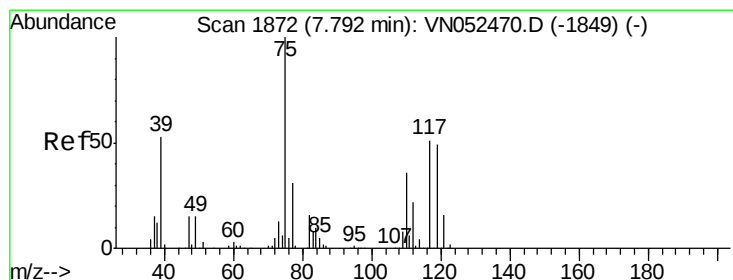
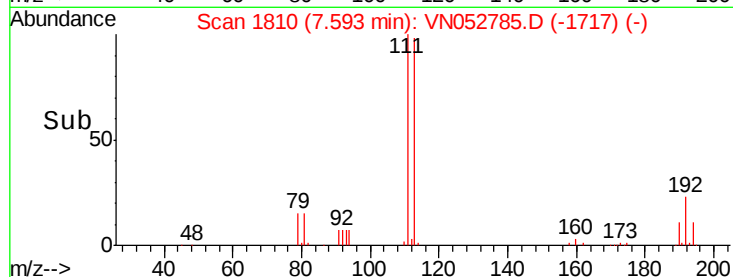
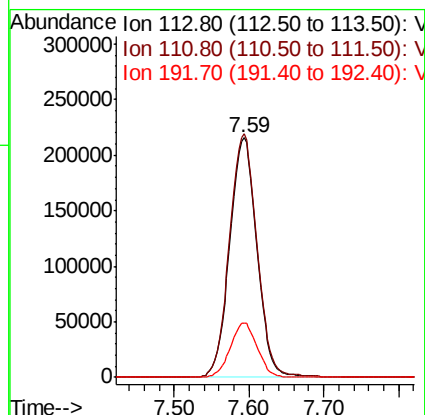
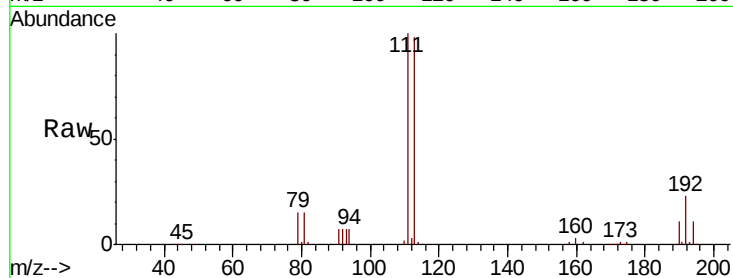




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

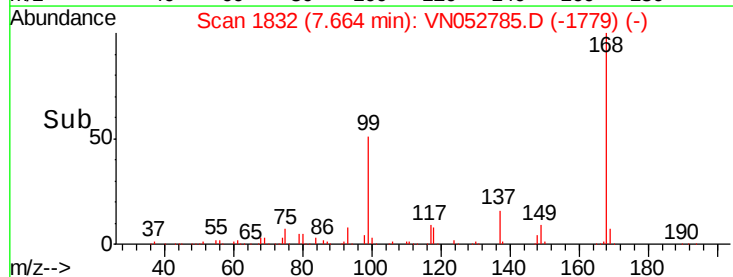
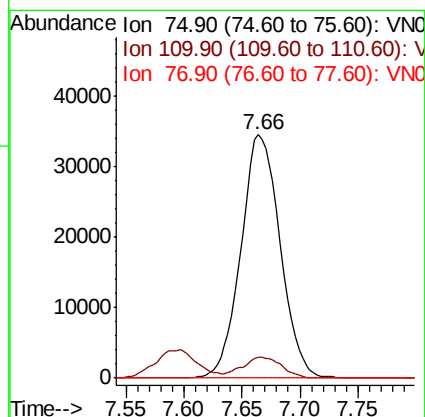
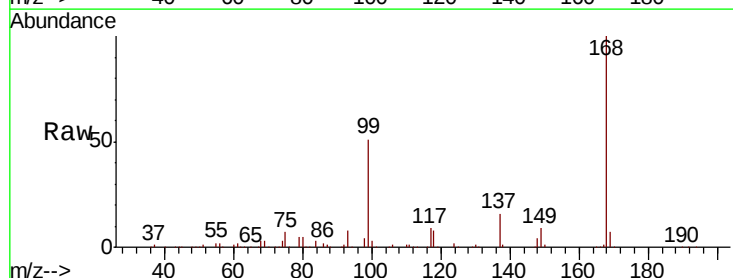
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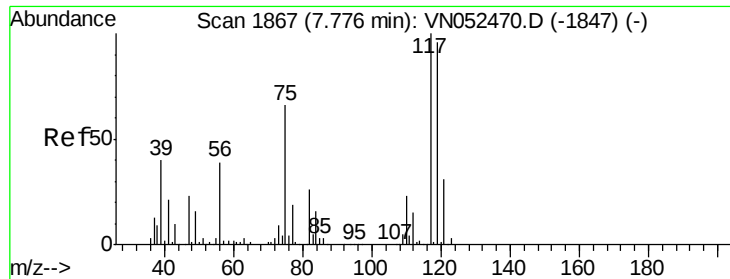
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	22.4	17.0	25.6



#36
1,1-Dichloropropene
Concen: 4.569 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.524 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

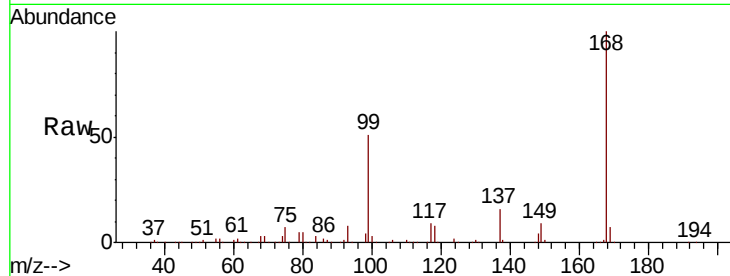
Tot Ion:117 Resp: 104893

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

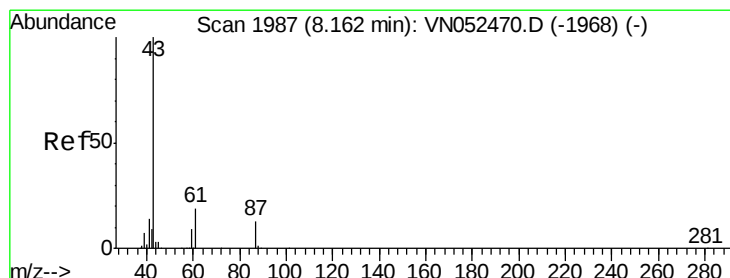
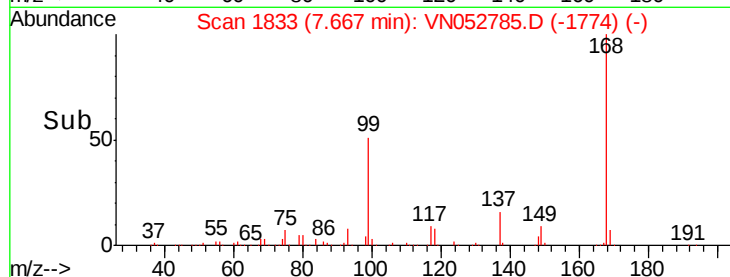
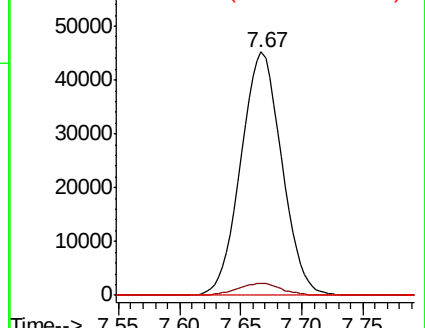
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.912 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

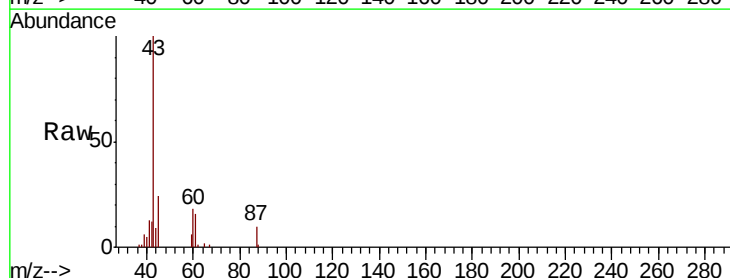
Tgt Ion: 43 Resp: 71754

Ion Ratio Lower Upper

43 100

61 12.4 24.1 36.1#

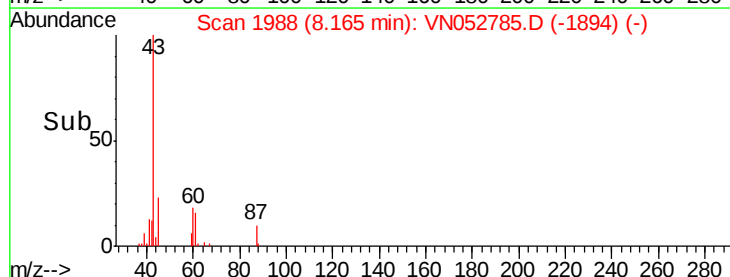
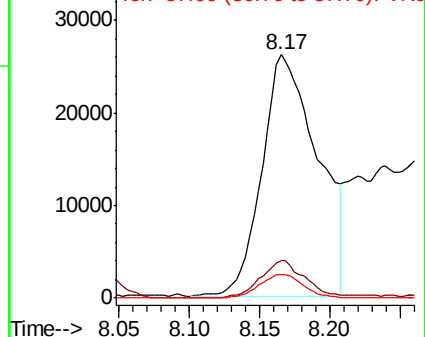
87 7.6 10.6 15.8#

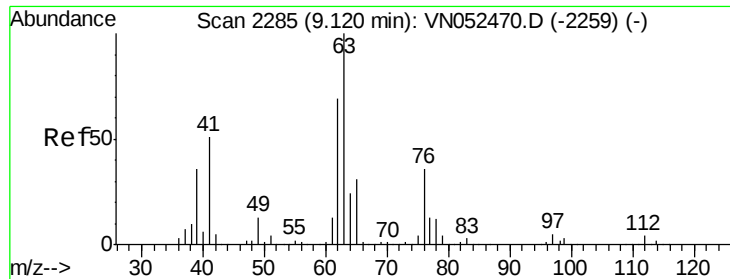


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.200 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

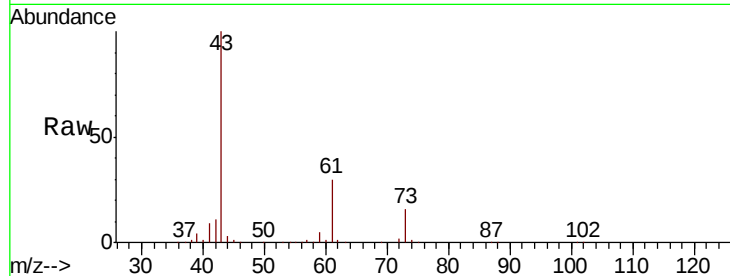
AVE-X-B-BALL-FIELD-S-1

Tot Ion: 63 Resp: 2816

Ion Ratio Lower Upper

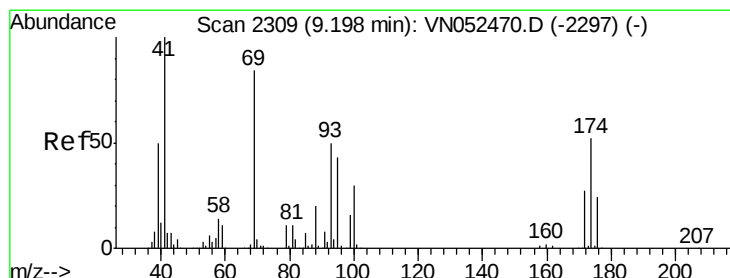
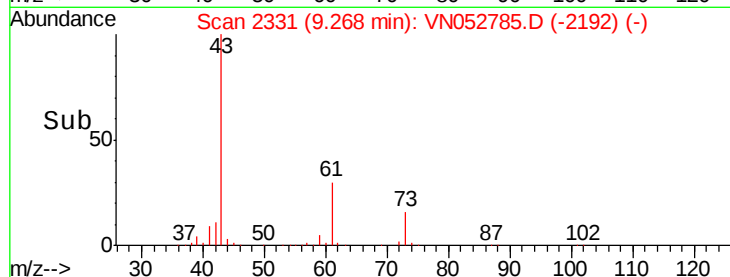
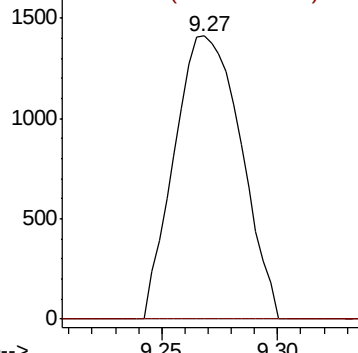
63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.597 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

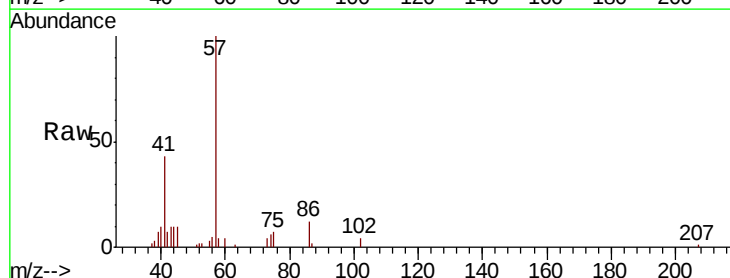
Tgt Ion: 41 Resp: 15276

Ion Ratio Lower Upper

41 100

69 0.0 70.0 105.0#

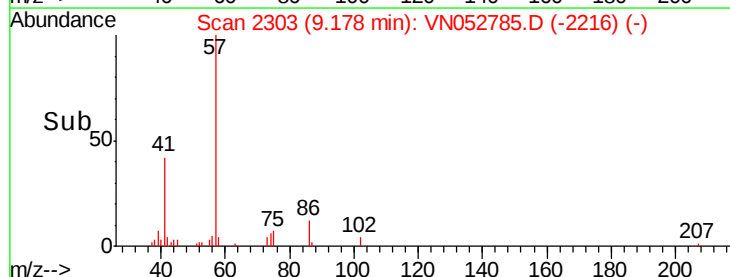
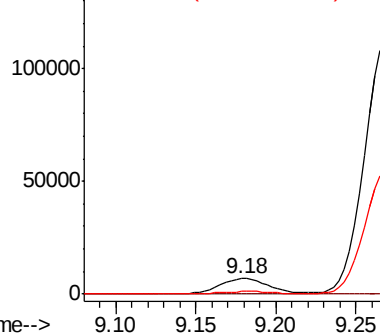
39 0.0 42.6 64.0#

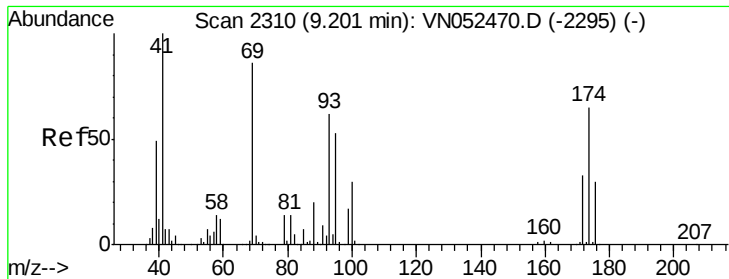


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 2.327 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

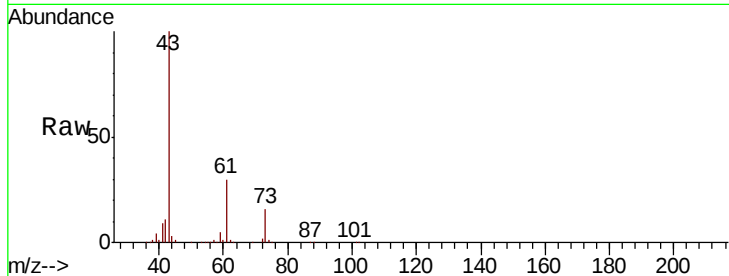
Tot Ion: 88 Resp: 231

Ion Ratio Lower Upper

88 100

43 977756.3 26.4 39.6#

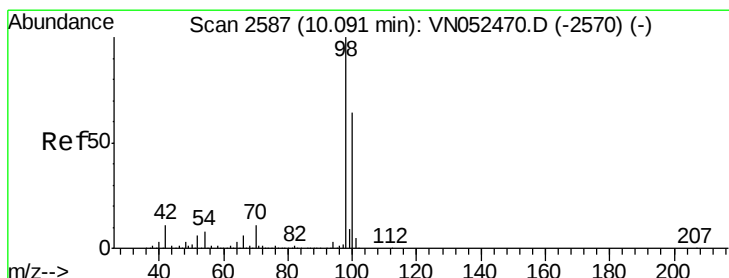
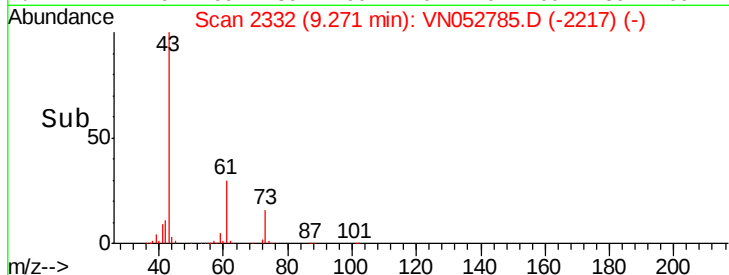
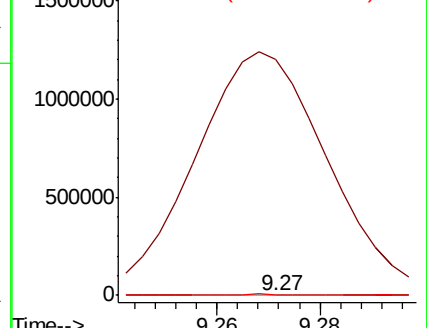
58 4397.4 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 2.327 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052785.D

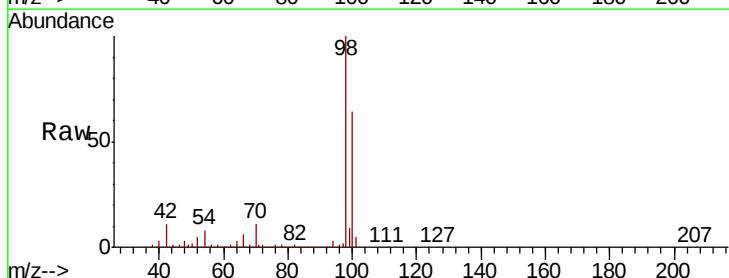
Acq: 11 Dec 2018 6:44

Tgt Ion: 98 Resp: 2321190

Ion Ratio Lower Upper

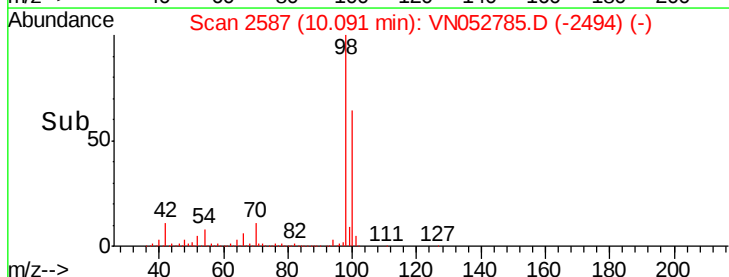
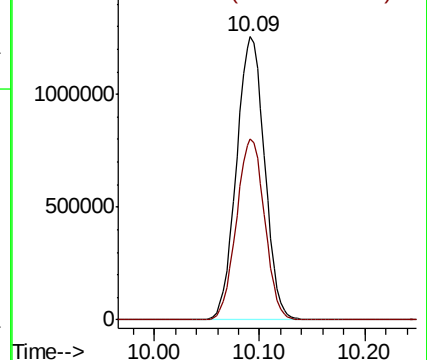
98 100

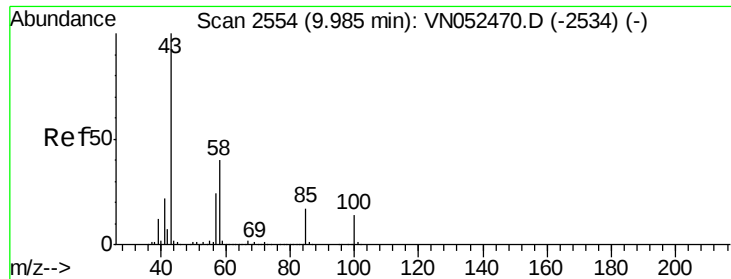
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.560 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

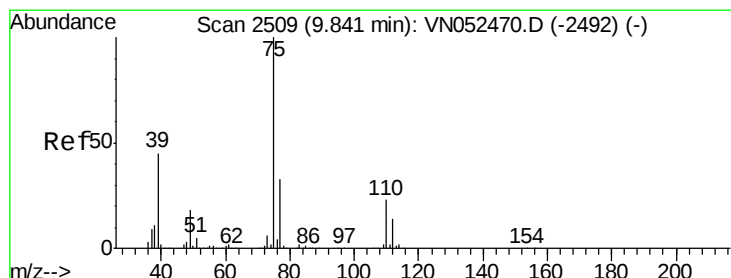
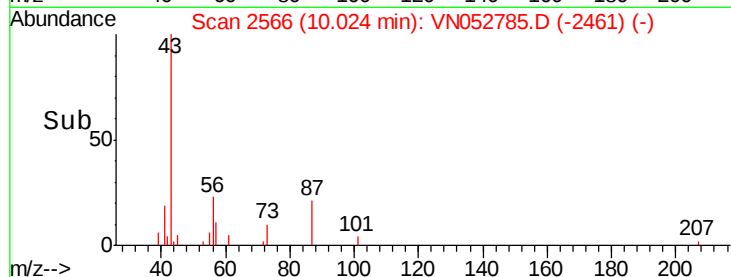
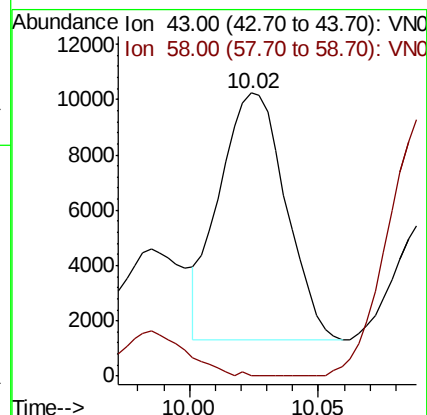
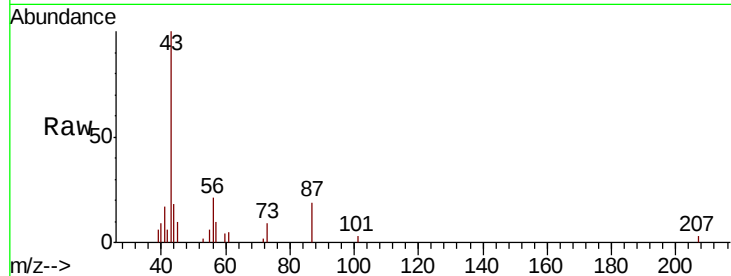
AVE-X-B-BALL-FIELD-S-1

Tot Ion: 43 Resp: 16051

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#54

cis-1,3-Dichloropropene

Concen: 6.216 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

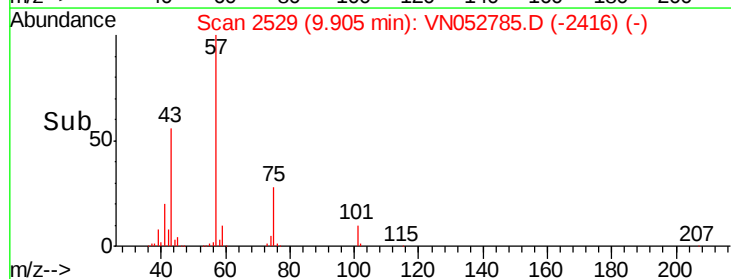
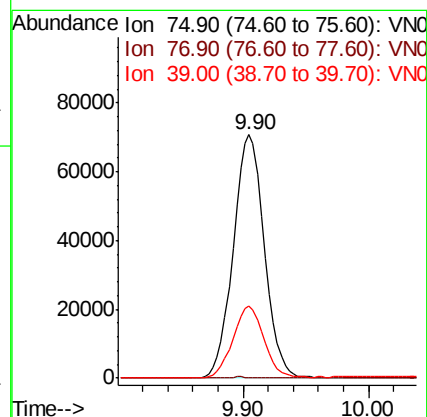
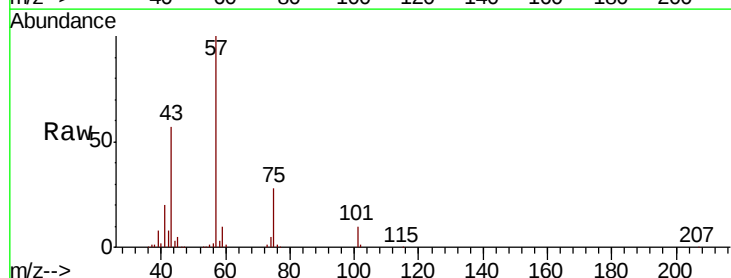
Tgt Ion: 75 Resp: 121367

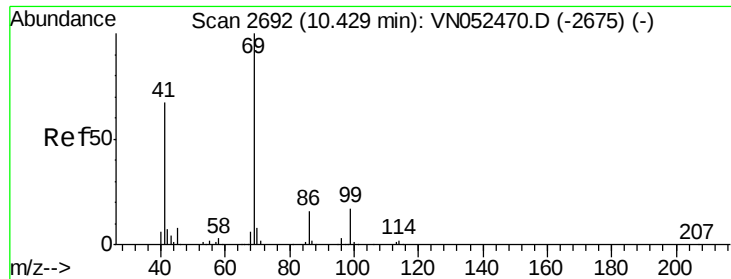
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 29.7 36.0 54.0#

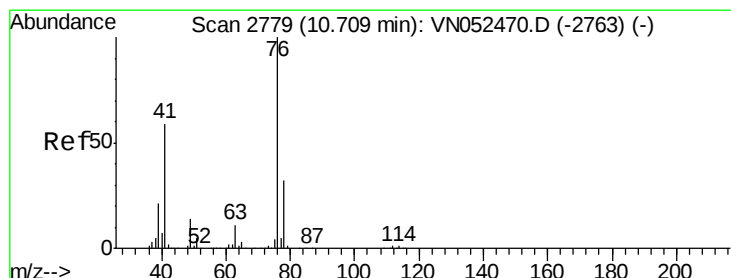
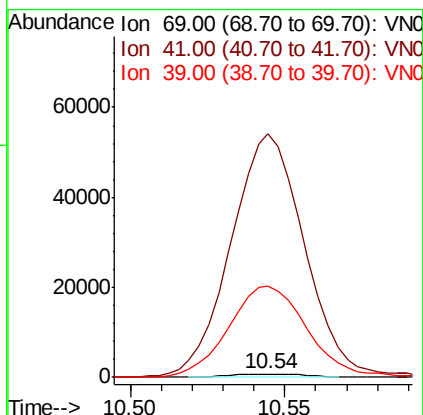
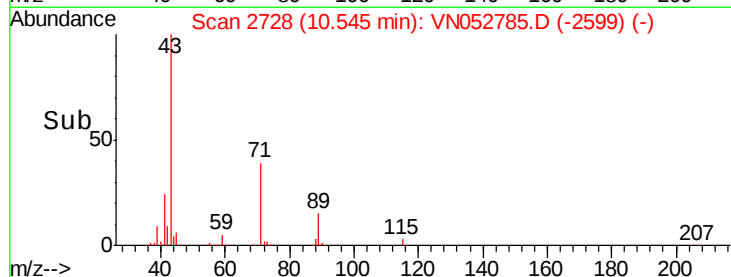
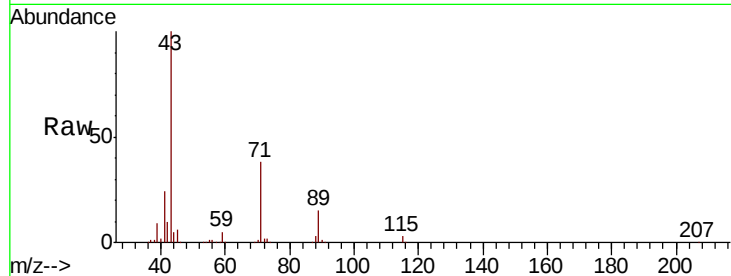




#56
Ethyl methacrylate
Concen: 2.775 ug/l
RT: 10.54 min Scan# 2728
Delta R.T. 0.12 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

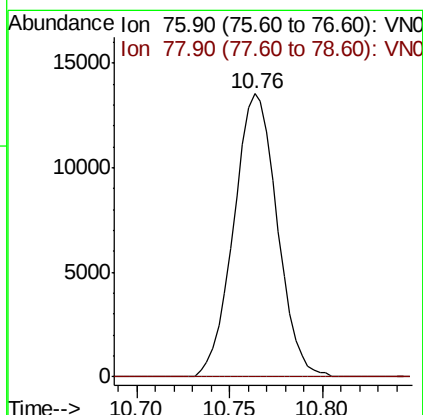
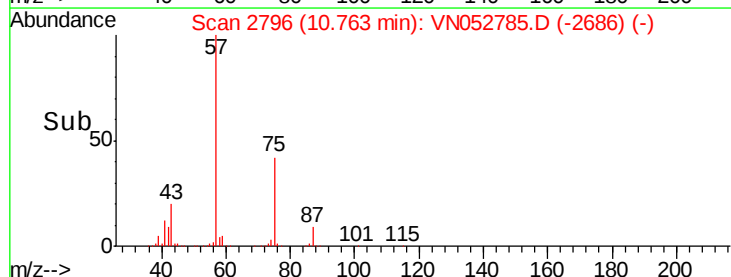
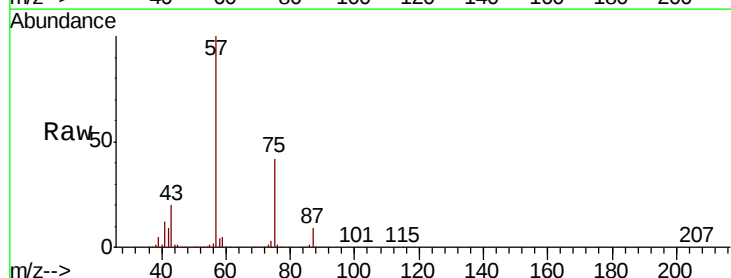
Instrument :
MSVOA_N
ClientSampled :
AVE-X-B-BALL-FIELD-S-1

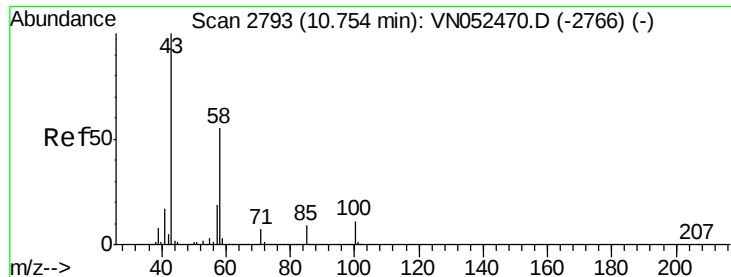
Tot Ion: 69 Resp: 1323
Ion Ratio Lower Upper
69 100
41 6750.4 52.6 79.0#
39 2729.6 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 1.128 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.05 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion: 76 Resp: 22026
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

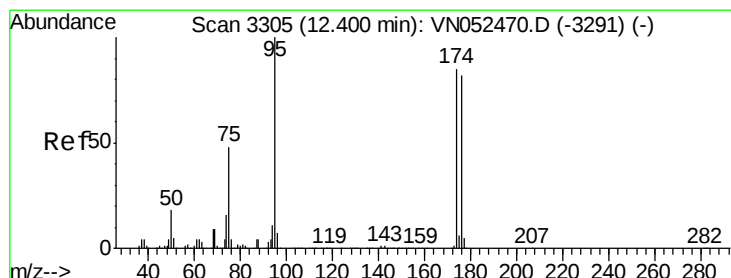
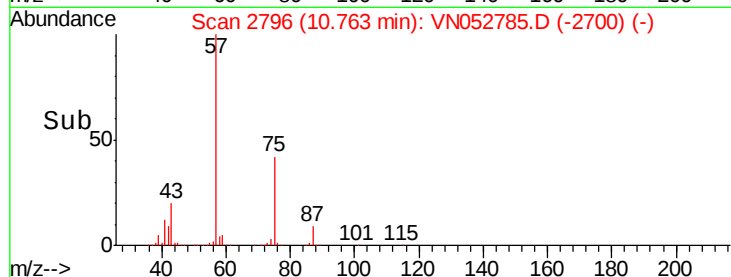
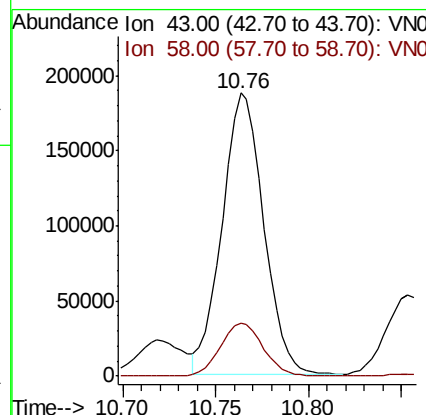
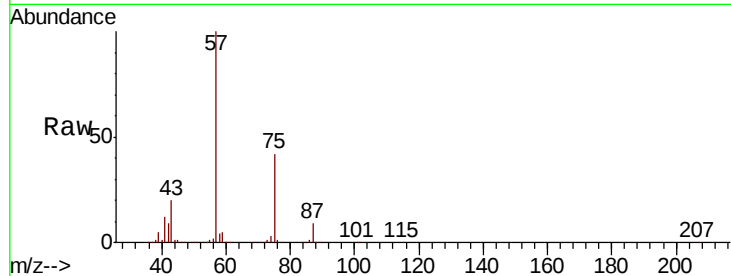




#59
2-Hexanone
Concen: 42.243 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

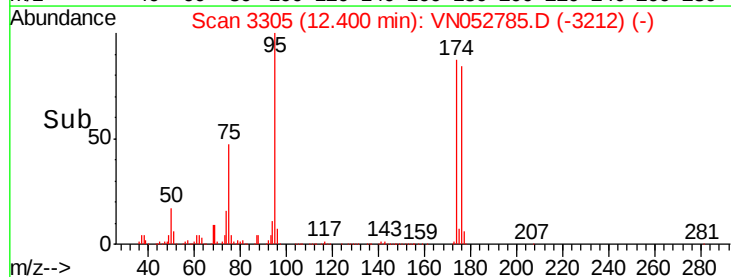
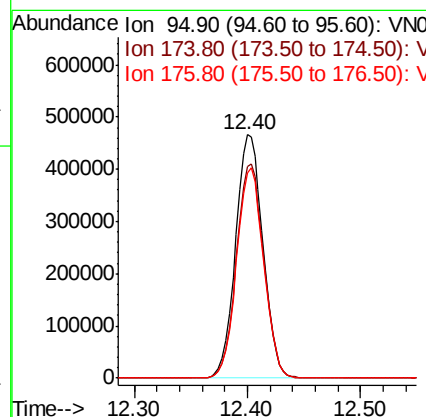
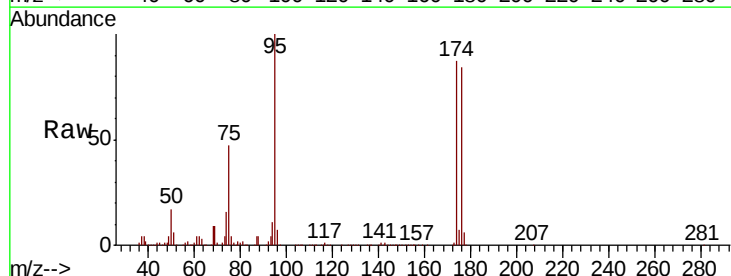
Instrument :
MSVOA_N
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

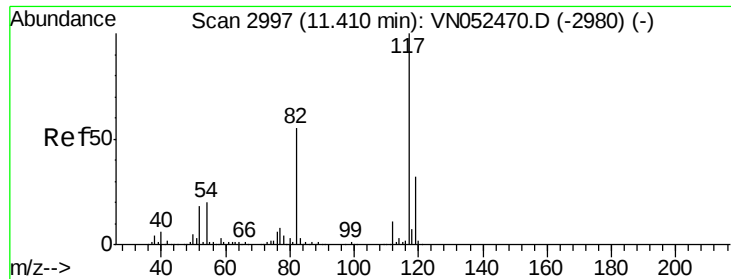
Tot Ion: 43 Resp: 291765
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion: 95 Resp: 780840
Ion Ratio Lower Upper
95 100
174 88.4 0.0 173.0
176 85.8 0.0 166.2

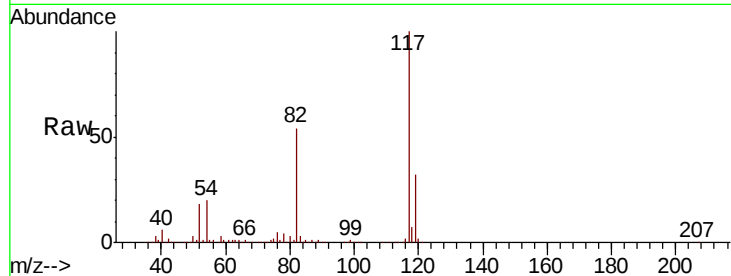




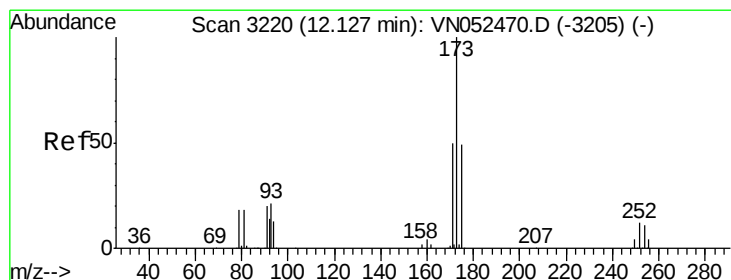
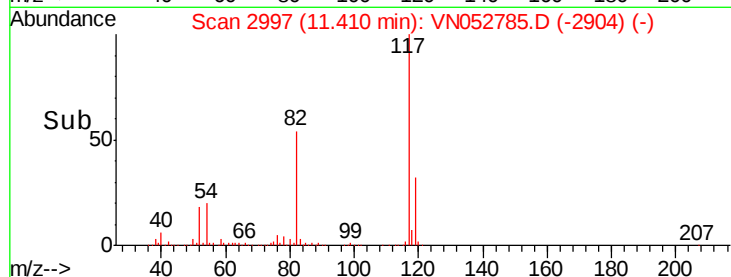
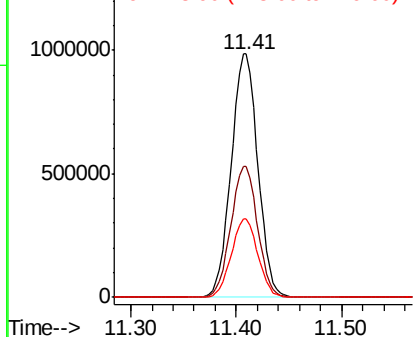
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Instrument :
MSVOA_N
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion:117 Resp: 1716958
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 32.3 25.4 38.2

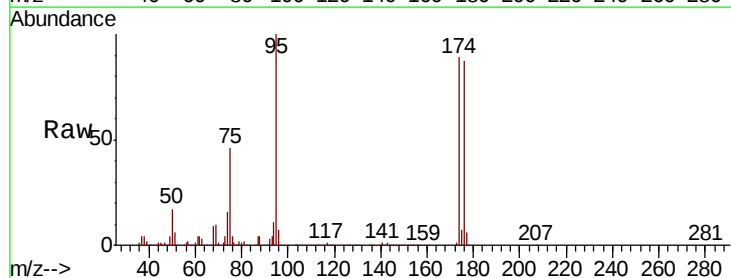


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

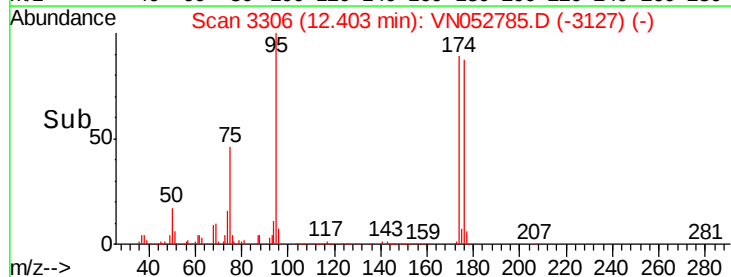
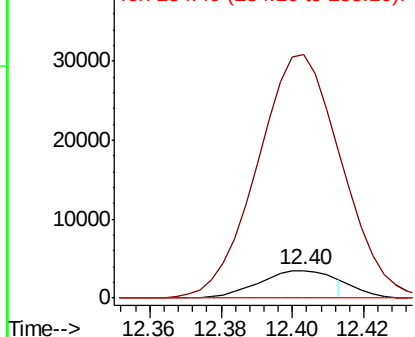


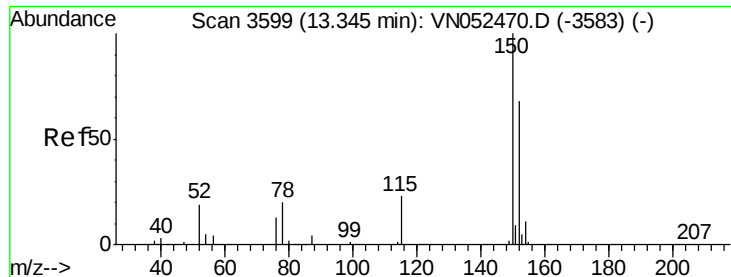
#71
Bromoform
Concen: 0.610 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion:173 Resp: 4970
Ion Ratio Lower Upper
173 100
175 883.0 24.4 73.2#
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



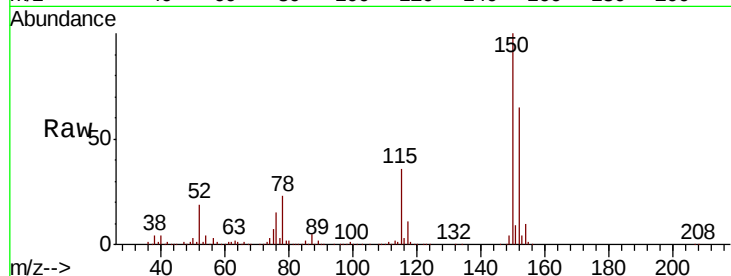


#72

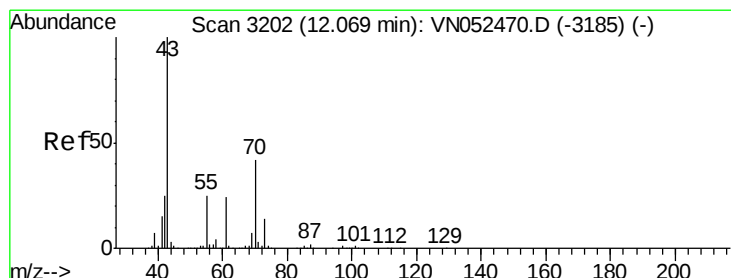
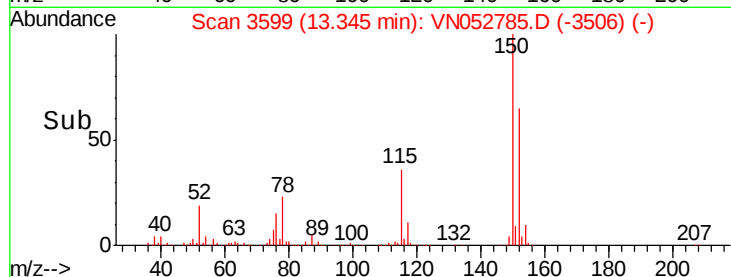
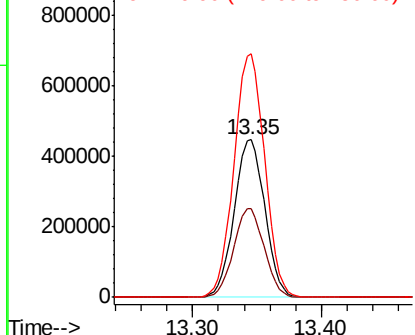
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Instrument :
MSVOA_N
ClientSampleId :
AVE-X-B-BALL-FIELD-S-1

Tot Ion:152 Resp: 736037
Ion Ratio Lower Upper
152 100
115 56.3 28.4 85.2
150 155.3 0.0 346.0



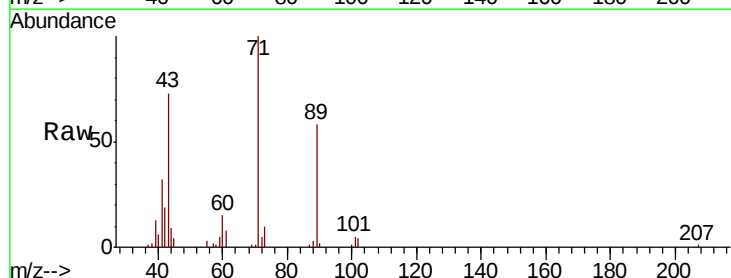
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



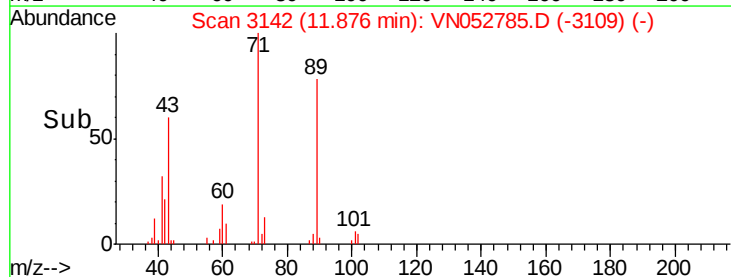
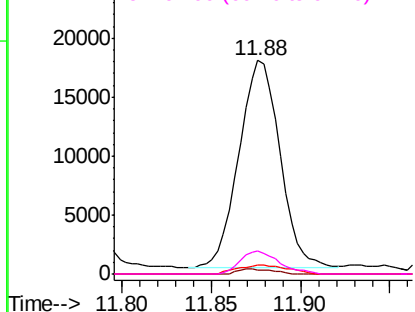
#74

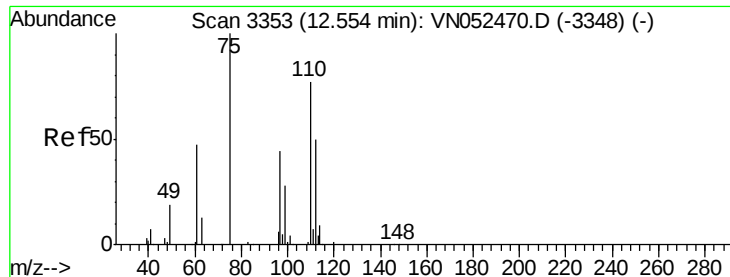
N-ethyl acetate
Concen: 1.937 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052785.D
Acq: 11 Dec 2018 6:44

Tgt Ion: 43 Resp: 28260
Ion Ratio Lower Upper
43 100
70 2.1 33.8 50.8#
55 5.2 20.0 30.0#
61 10.5 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 32.279 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

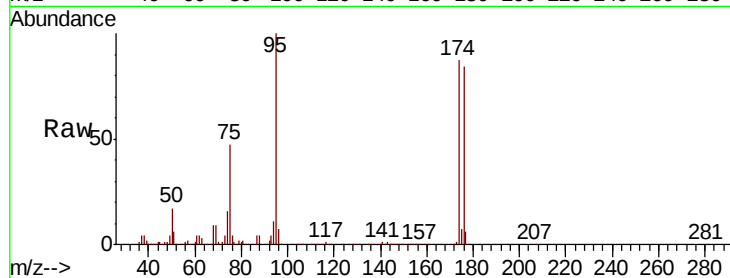
AVE-X-B-BALL-FIELD-S-1

Tot Ion: 75 Resp: 366370

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

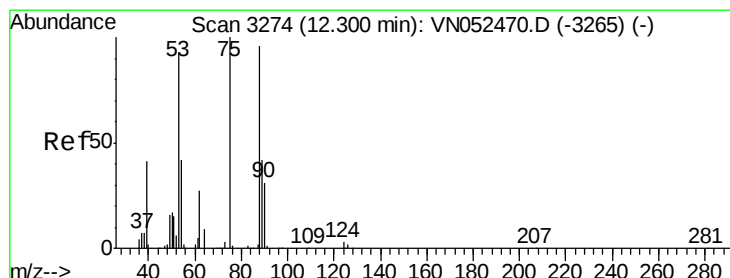
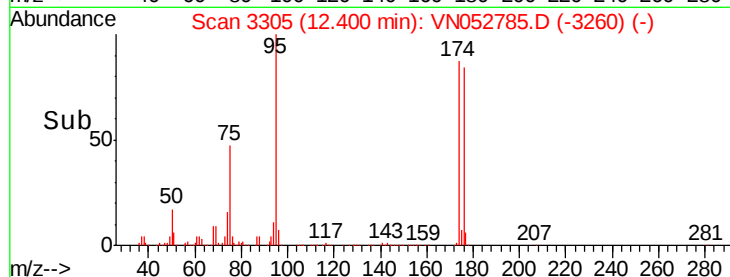
100000

50000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 107.797 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

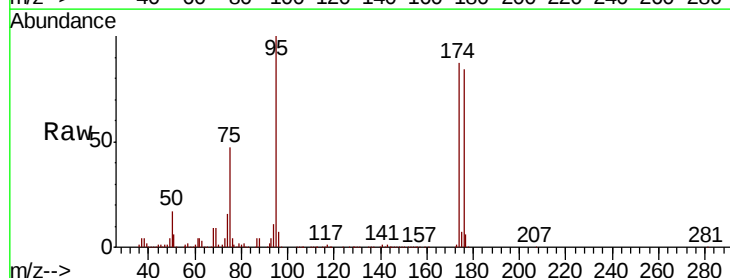
Tgt Ion: 75 Resp: 366370

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

150000

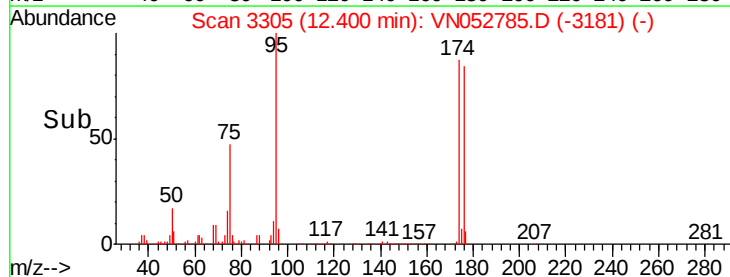
100000

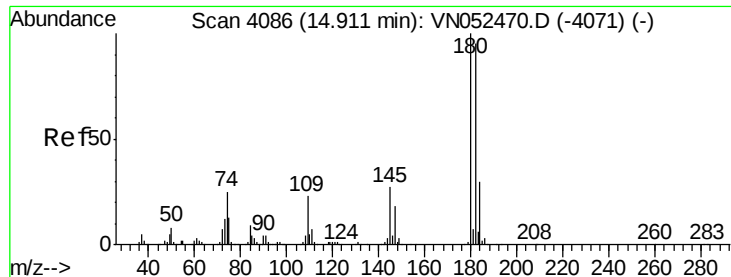
50000

0

12.35 12.40 12.45 12.50

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 2.848 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

Instrument :

MSVOA_N

ClientSampleId :

AVE-X-B-BALL-FIELD-S-1

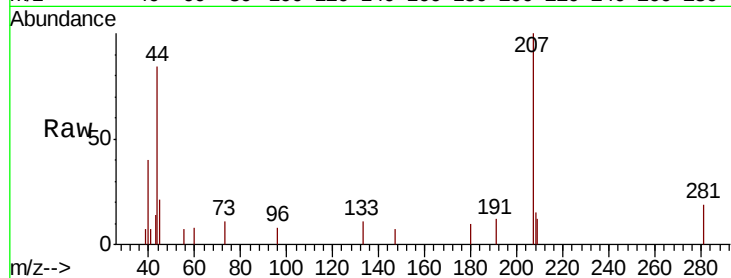
Tot Ion:180 Resp: 252

Ion Ratio Lower Upper

180 100

182 12.3 47.8 143.4#

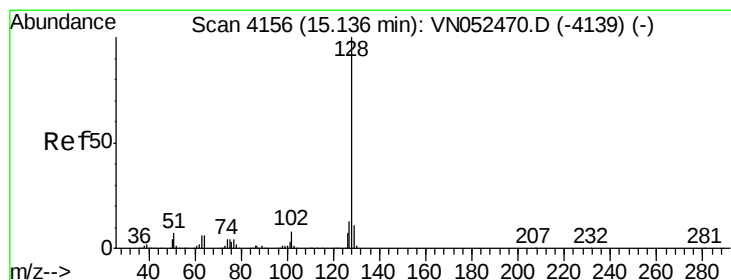
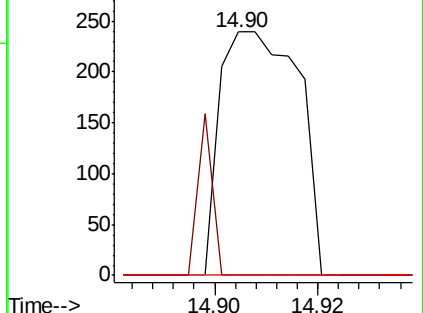
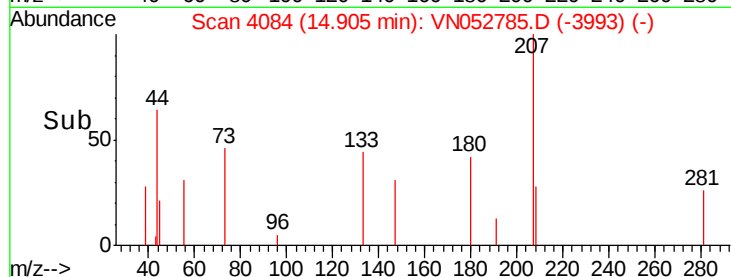
145 0.0 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 3.460 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052785.D

Acq: 11 Dec 2018 6:44

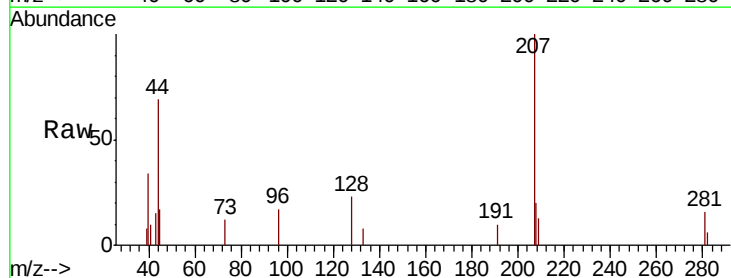
Tgt Ion:128 Resp: 933

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

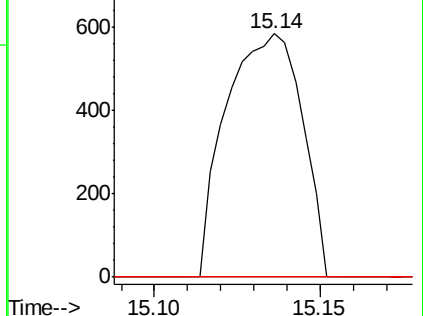
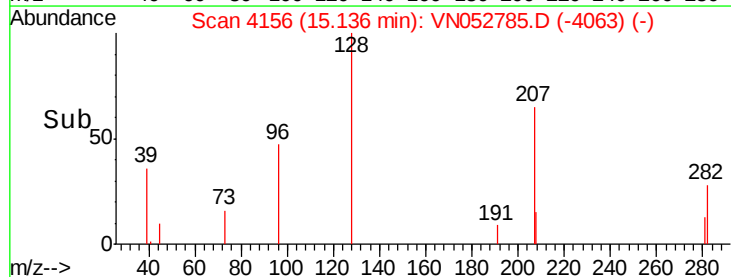
129 0.0 8.7 13.1#

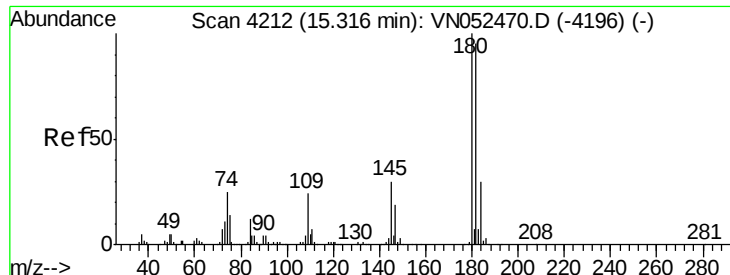


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

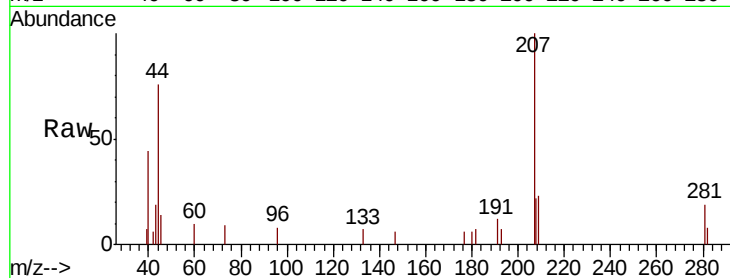




#96
 1,2,3-Trichlorobenzene
 Concen: 2.732 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052785.D
 Acq: 11 Dec 2018 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 AVE-X-B-BALL-FIELD-S-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	222.2	47.8	143.3#
145	0.0	15.2	45.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

