

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022519\
 Data File : VN053942.D
 Acq On : 25 Feb 2019 20:56
 Operator : JC/SP
 Sample : K1595-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Quant Time: Feb 26 06:20:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1104628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1061747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389885	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	385404	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
35) Dibromofluoromethane	7.59	113	357421	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
50) Toluene-d8	10.09	98	1386276	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	452957	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	

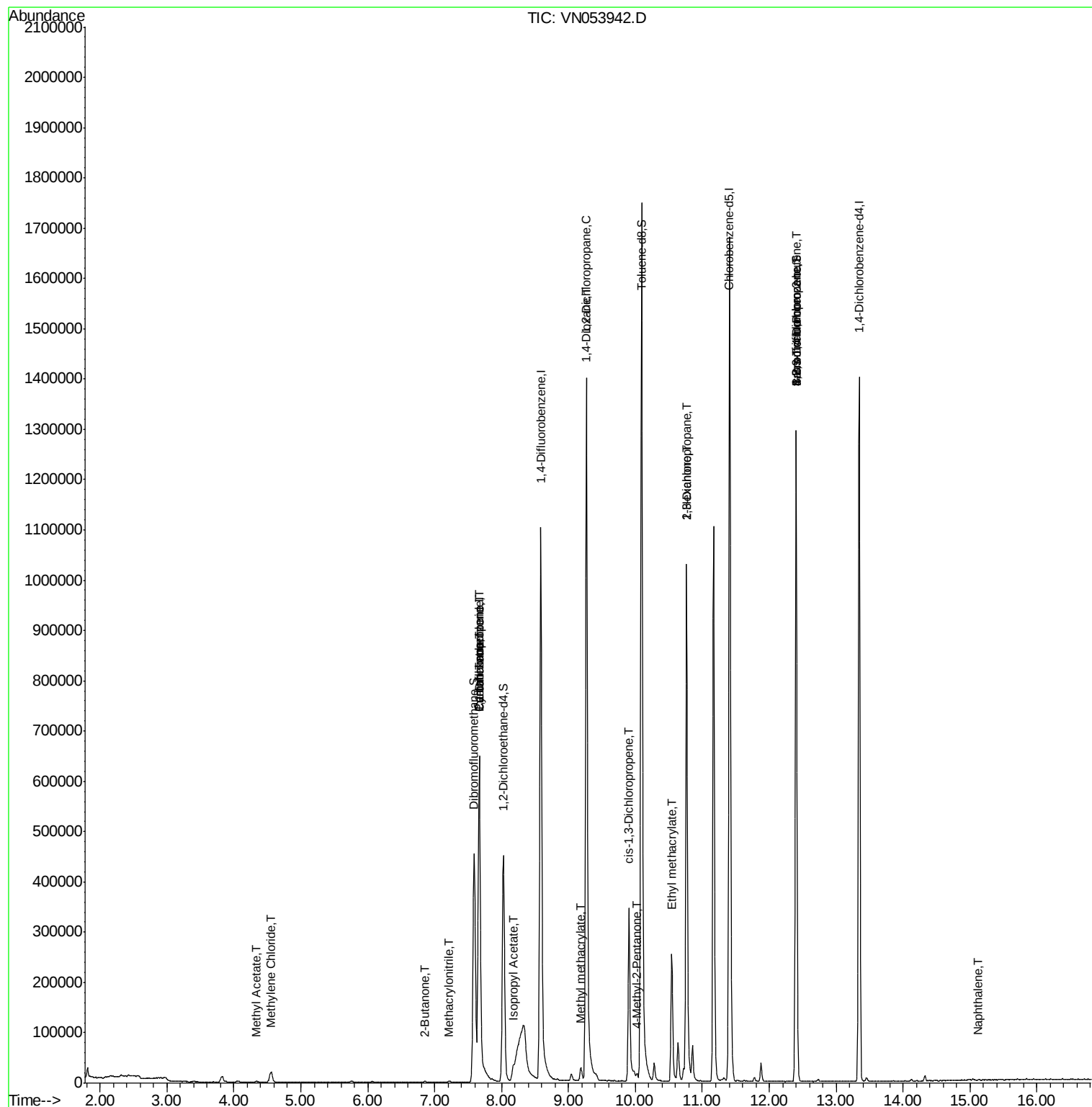
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	22842	Below Cal		93
18) Methyl Acetate	4.32	43	1352	0.272	ug/l #	73
20) Methylene Chloride	4.56	84	15810	2.244	ug/l	95
25) 2-Butanone	6.84	43	1921	0.687	ug/l	91
31) Cyclohexane	7.67	56	10778	0.541	ug/l #	5
36) 1,1-Dichloropropene	7.66	75	41172	4.008	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53398	4.998	ug/l #	16
41) Methacrylonitrile	7.22	41	1011	0.214	ug/l #	100
43) Isopropyl Acetate	8.17	43	32763	2.645	ug/l #	89
45) 1,2-Dichloropropane	9.26	63	1731	0.203	ug/l #	44
48) Methyl methacrylate	9.18	41	11279	1.980	ug/l #	12
49) 1,4-Dioxane	9.26	88	63	0.817	ug/l #	25
51) 4-Methyl-2-Pentanone	10.03	43	9399	1.477	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	66339	5.552	ug/l #	70
56) Ethyl methacrylate	10.54	69	1379	2.101	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	10795	0.921	ug/l #	43
59) 2-Hexanone	10.76	43	161965	39.131	ug/l #	49
71) Bromoform	12.40	173	3698	0.658	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	220308	35.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	220308	111.331	ug/l #	15
95) Naphthalene	15.13	128	501	3.242	ug/l #	70

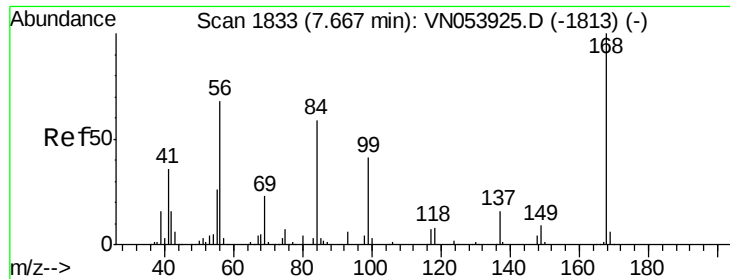
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
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: VN053942.D

Acq: 25 Feb 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

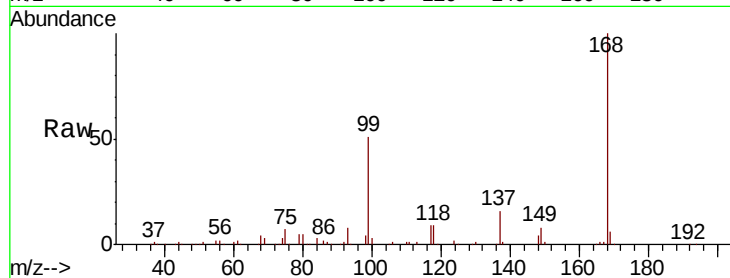
TP-E-WALL-GRADE-BEAM

Tgt Ion:168 Resp: 607355

Ion Ratio Lower Upper

168 100

99 51.0 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

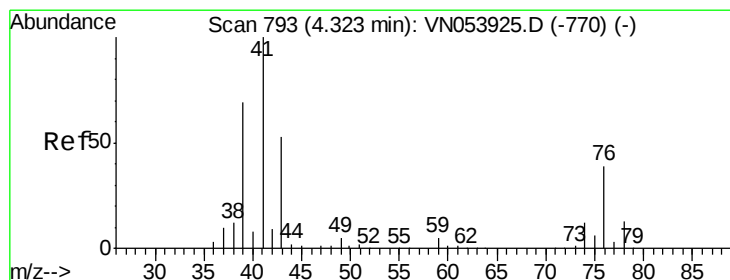
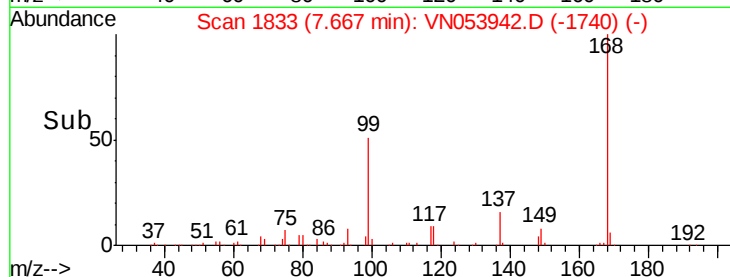
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#18

Methyl Acetate

Concen: 0.272 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN053942.D

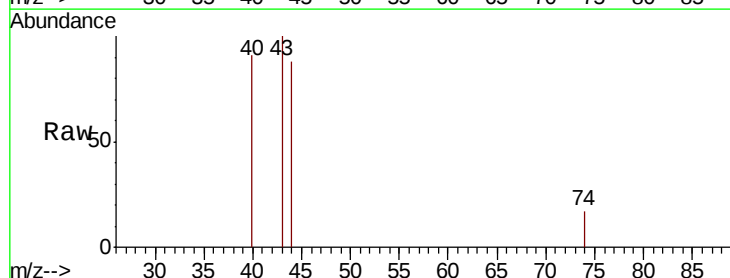
Acq: 25 Feb 2019 20:56

Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

74 12.1 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053925.D (-770) (-)

4.32

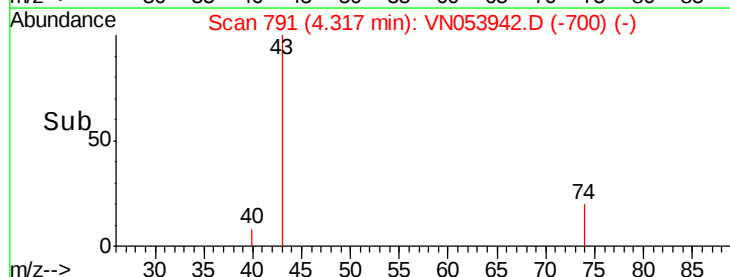
1500

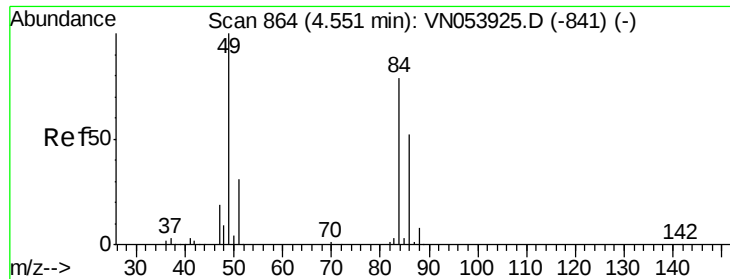
1000

500

0

Time--> 4.28 4.30 4.32

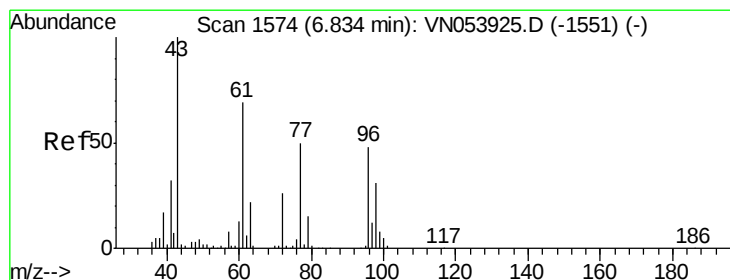
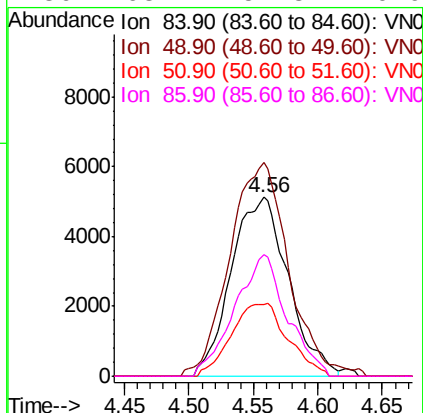
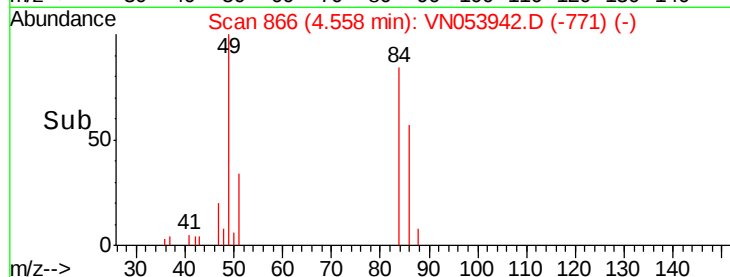
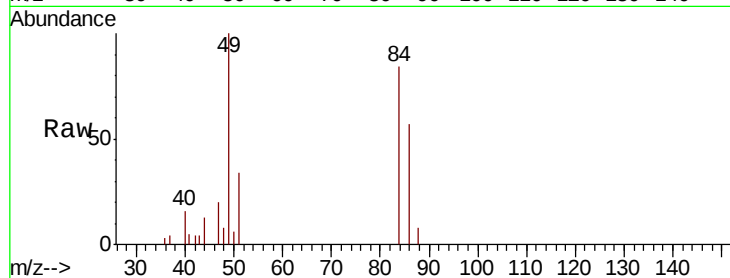




#20
Methylene Chloride
Concen: 2.244 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

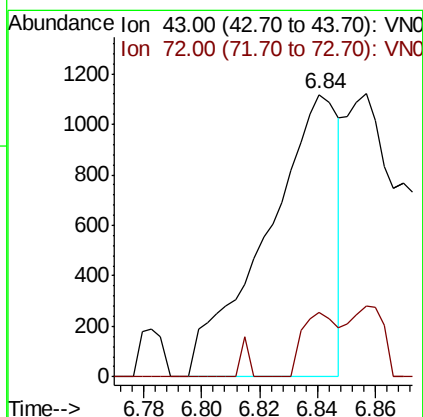
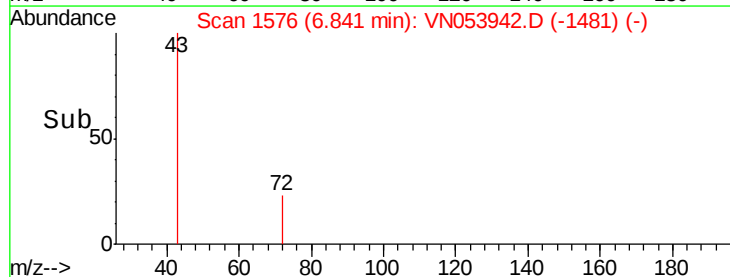
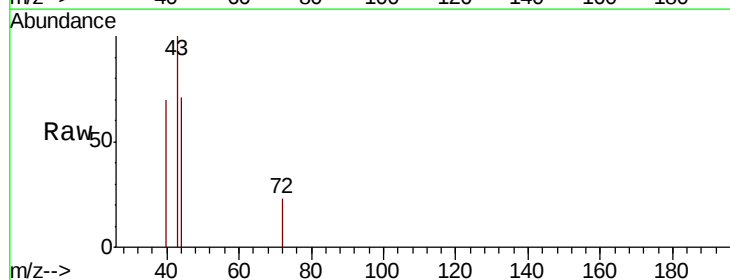
Instrument :
MSVOA_N
ClientSampleId :
TP-E-WALL-GRADE-BEAM

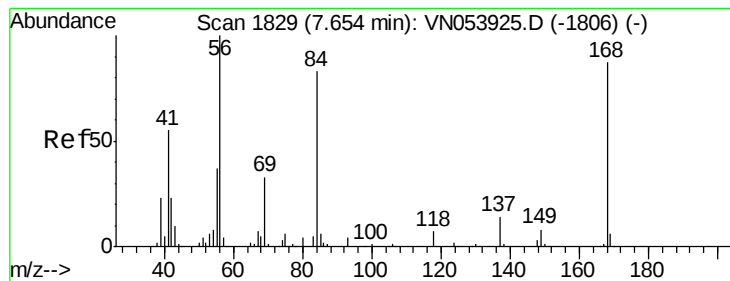
Tgt Ion: 84 Resp: 15810
Ion Ratio Lower Upper
84 100
49 115.0 89.7 134.5
51 40.2 27.8 41.8
86 68.2 51.3 76.9



#25
2-Butanone
Concen: 0.687 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
72 22.8 22.1 33.1





#31

Cyclohexane

Concen: 0.541 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053942.D

Acq: 25 Feb 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

TP-E-WALL-GRADE-BEAM

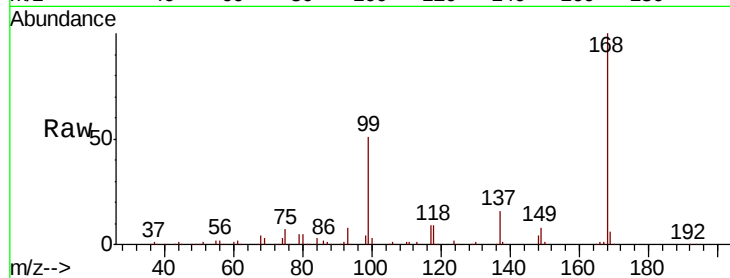
Tgt Ion: 56 Resp: 10778

Ion Ratio Lower Upper

56 100

69 159.8 26.0 39.0#

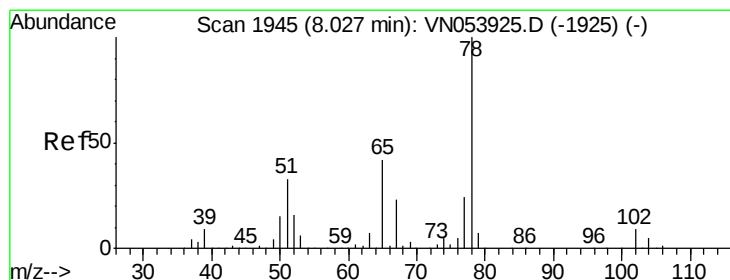
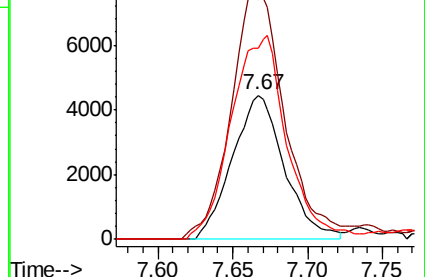
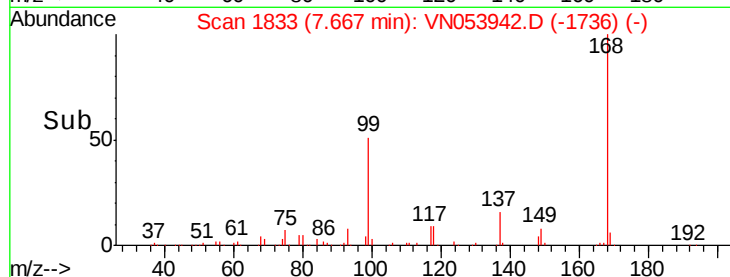
84 128.5 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VN053942.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053942.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053942.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.133 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053942.D

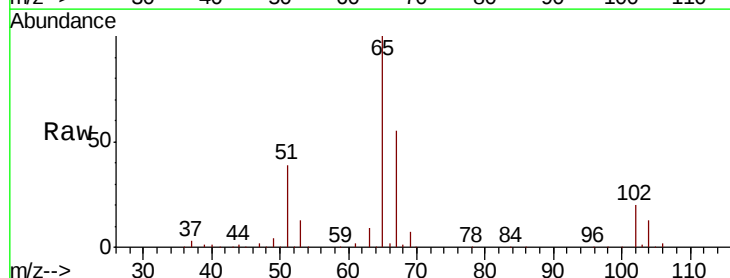
Acq: 25 Feb 2019 20:56

Tgt Ion: 65 Resp: 385404

Ion Ratio Lower Upper

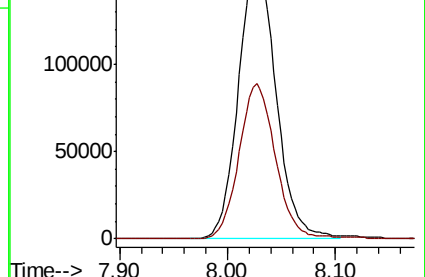
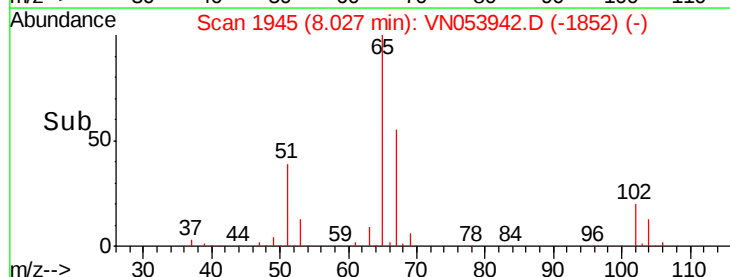
65 100

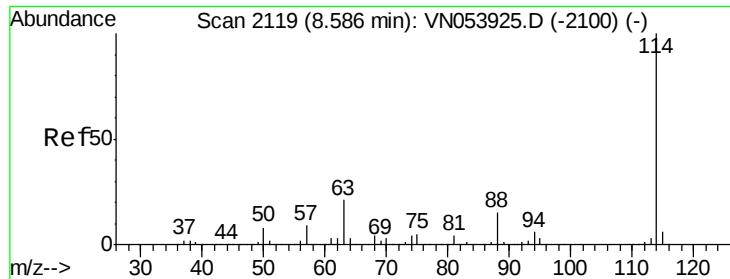
67 54.3 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053942.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053942.D (-1852) (-)

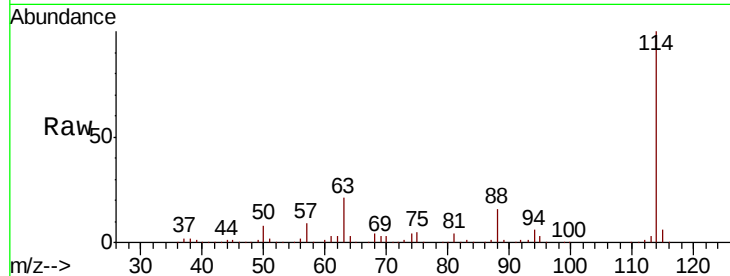




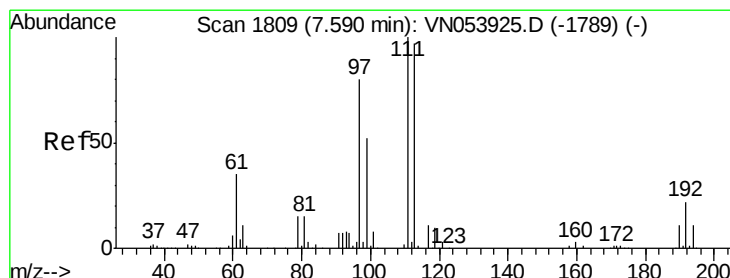
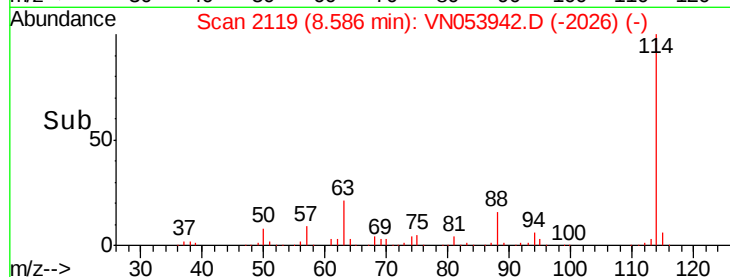
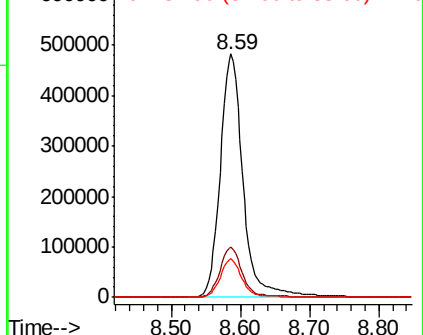
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

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Tgt Ion:114 Resp: 1104628
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.4
 88 15.8 0.0 30.4

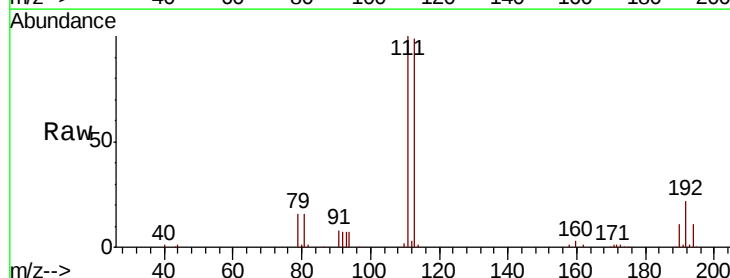


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

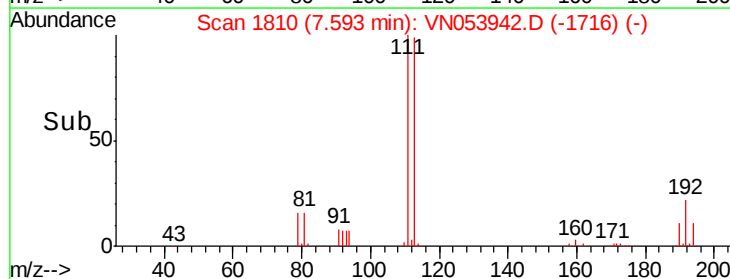
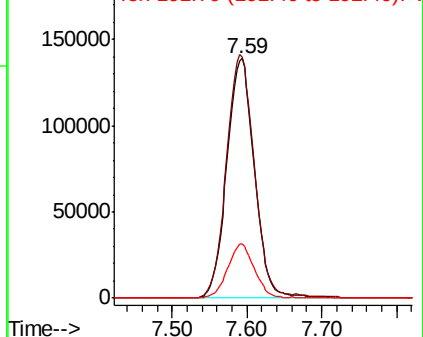


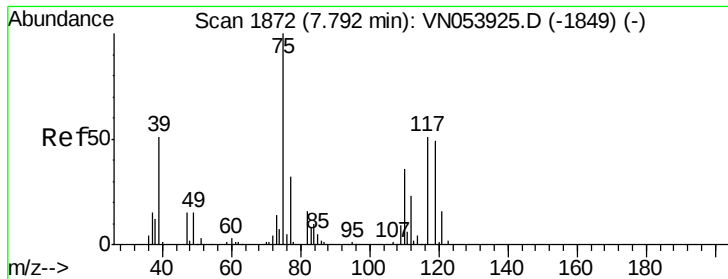
#35
 Dibromofluoromethane
 Concen: 50.037 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Tgt Ion:113 Resp: 357421
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.1 121.7
 192 21.7 18.8 28.2



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

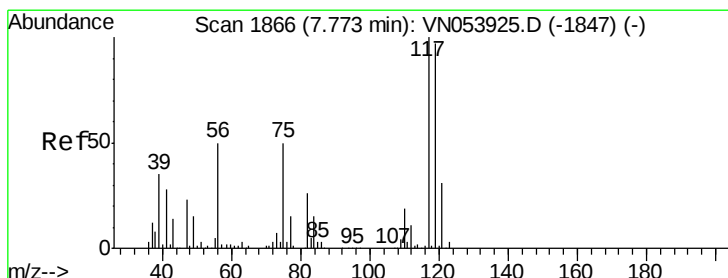
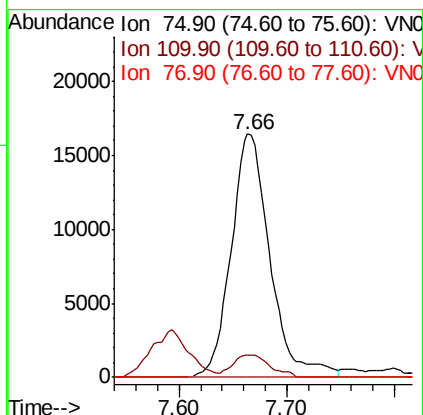
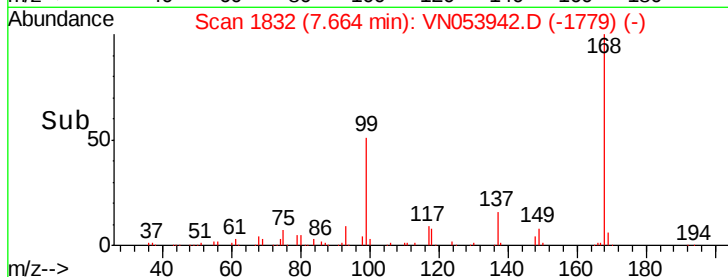
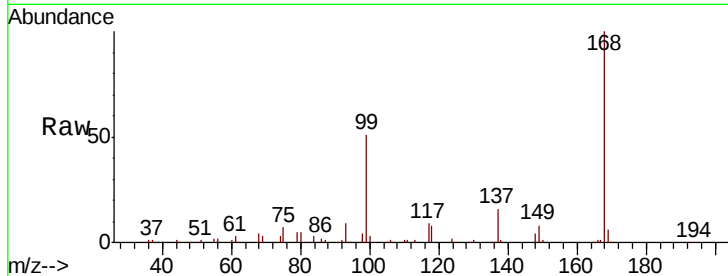




#36
 1,1-Dichloropropene
 Concen: 4.008 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

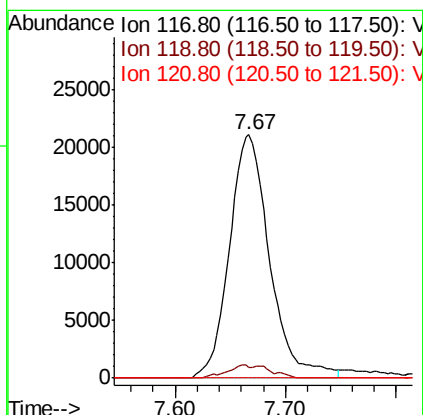
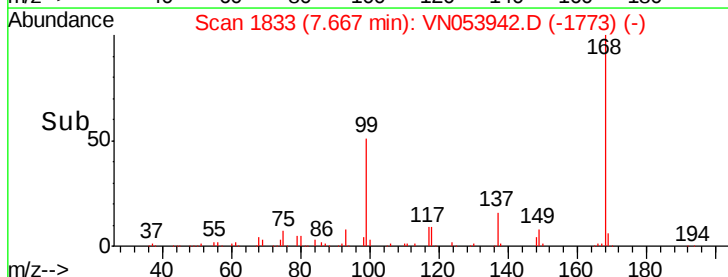
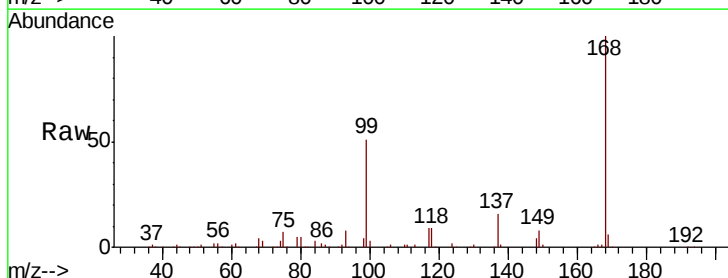
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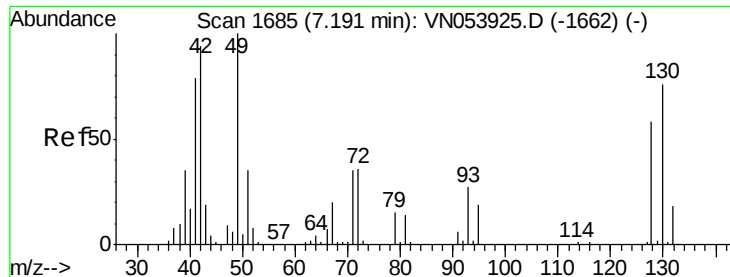
Tgt Ion: 75 Resp: 41172
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.998 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Tgt Ion: 117 Resp: 53398
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 0.214 ug/l

RT: 7.22 min Scan# 1693

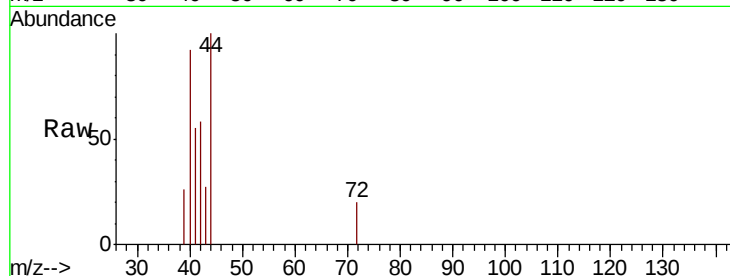
Delta R.T. 0.03 min

Lab File: VN053942.D

Acq: 25 Feb 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tgt Ion:	41	Resp:	1011
Ion	Ratio	Lower	Upper
41	100		
39	20.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



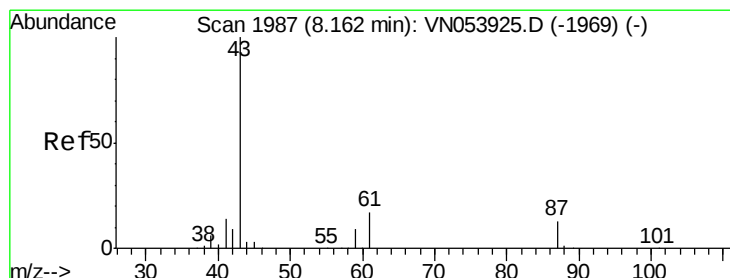
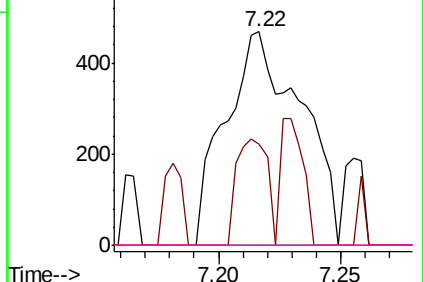
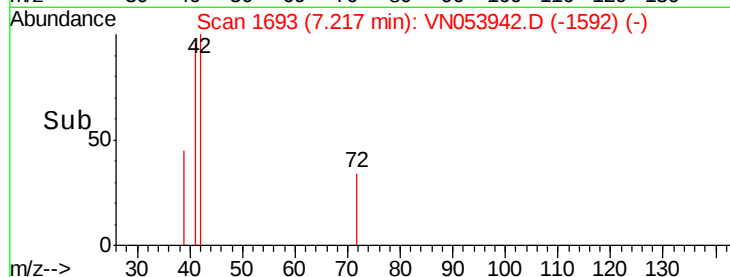
Abundance Ion 41.00 (40.70 to 41.70): VN053942.D (-1662) (-)

Ion 39.00 (38.70 to 39.70): VN053942.D (-1662) (-)

Ion 67.00 (66.70 to 67.70): VN053942.D (-1662) (-)

Ion 52.00 (51.70 to 52.70): VN053942.D (-1662) (-)

Time-->



#43

Isopropyl Acetate

Concen: 2.645 ug/l

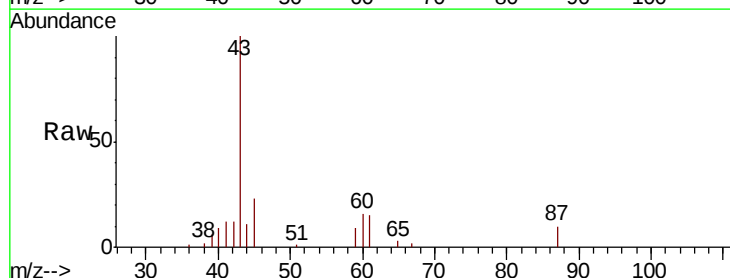
RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN053942.D

Acq: 25 Feb 2019 20:56

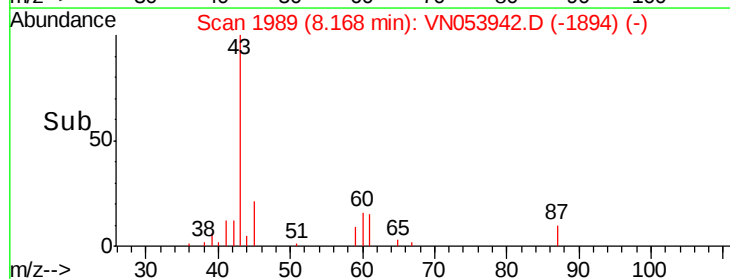
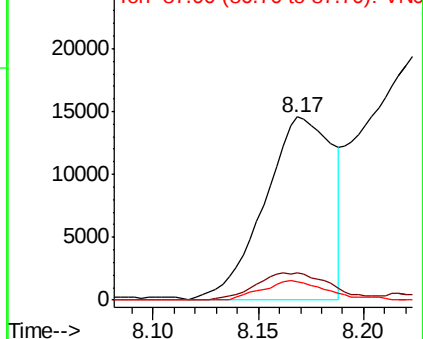
Tgt Ion:	43	Resp:	32763
Ion	Ratio	Lower	Upper
43	100		
61	16.3	17.4	26.0#
87	9.9	11.5	17.3#

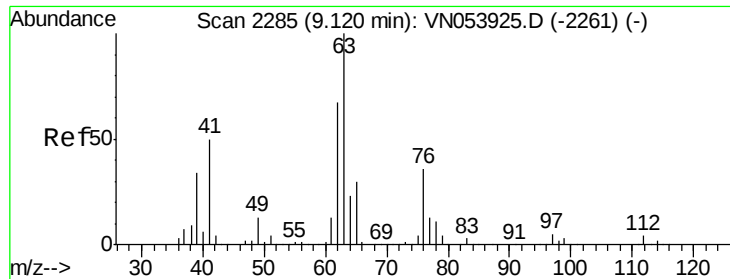


Abundance Ion 43.00 (42.70 to 43.70): VN053942.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053942.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053942.D (-1969) (-)

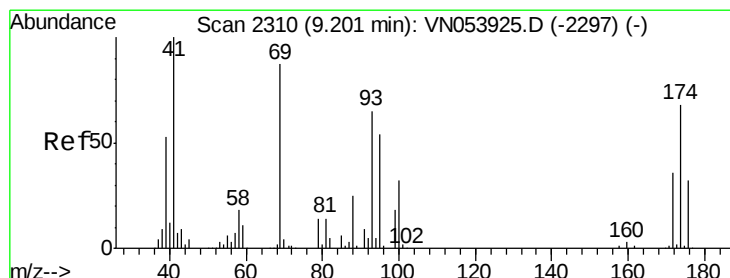
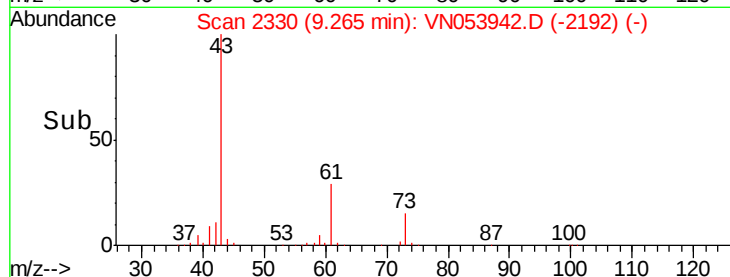
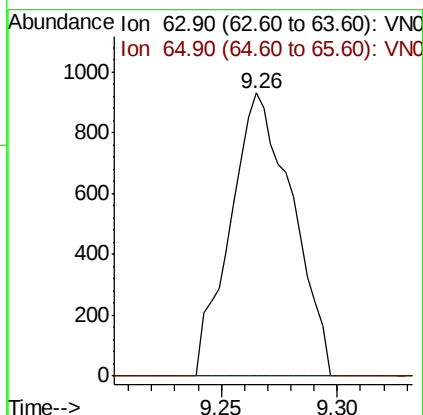
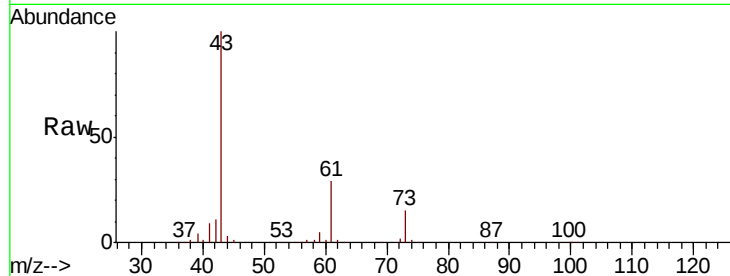




#45
 1,2-Dichloropropane
 Concen: 0.203 ug/l
 RT: 9.26 min Scan# 2330
 Delta R.T. 0.14 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

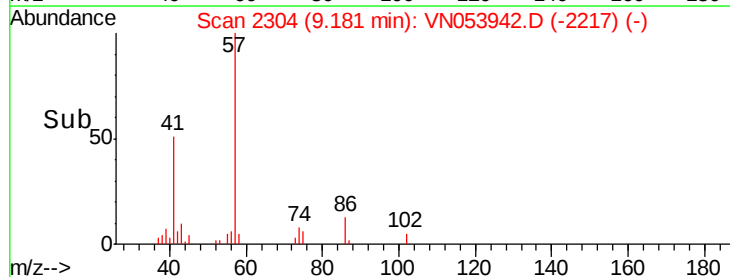
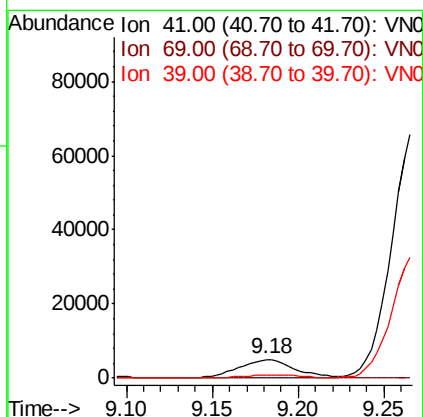
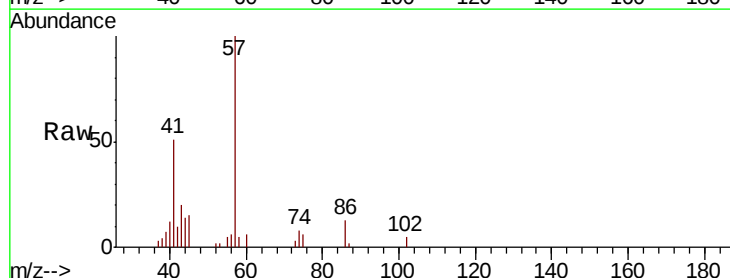
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

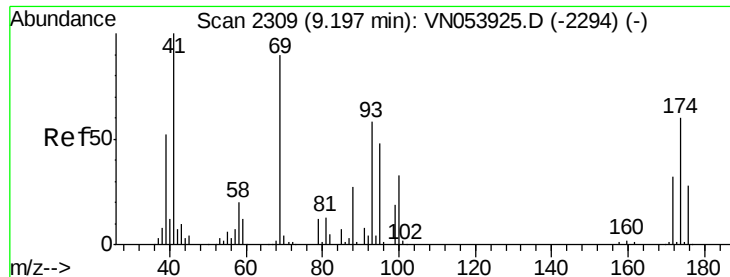
Tgt Ion: 63 Resp: 1731
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.3 36.5#



#48
 Methyl methacrylate
 Concen: 1.980 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Tgt Ion: 41 Resp: 11279
 Ion Ratio Lower Upper
 41 100
 69 0.0 74.8 112.2#
 39 0.0 39.0 58.6#

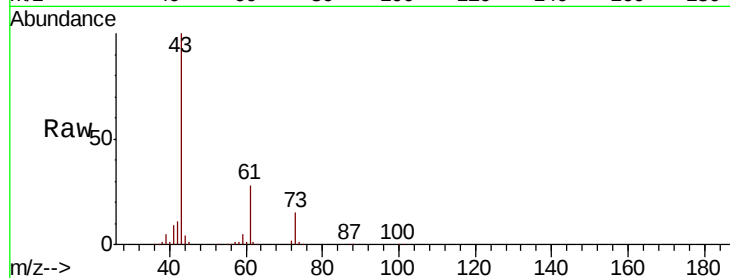




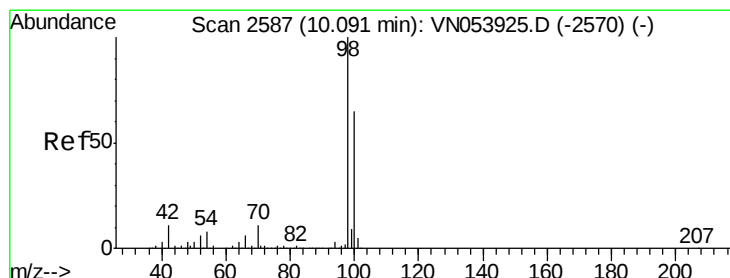
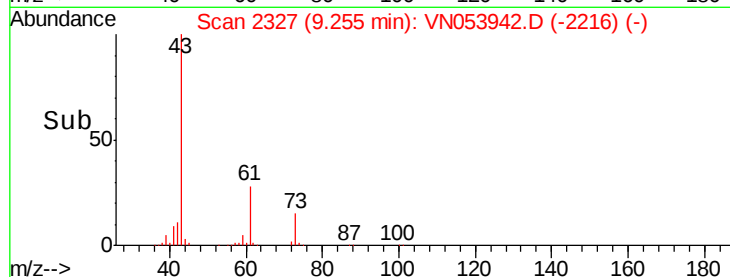
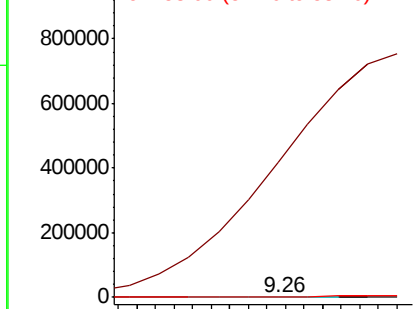
#49
 1,4-Dioxane
 Concen: 0.817 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.06 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 0.0 21.2 31.8#
 58 0.0 54.2 81.2#

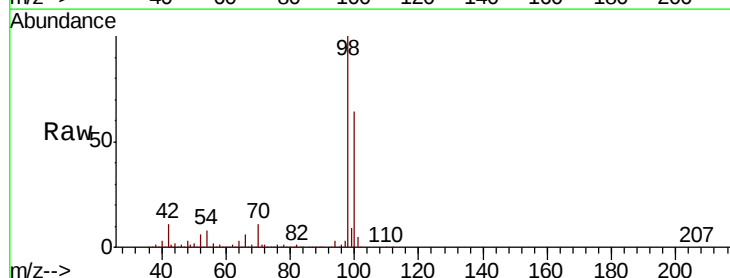


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

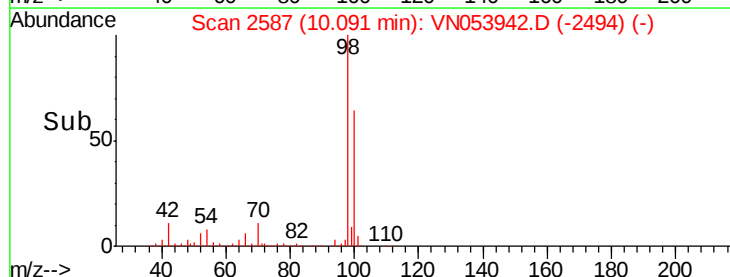
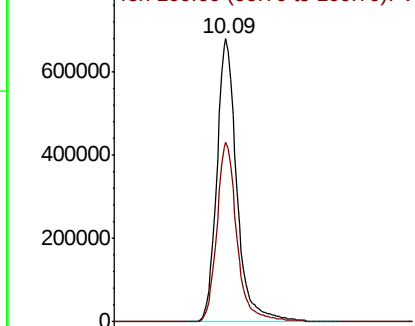


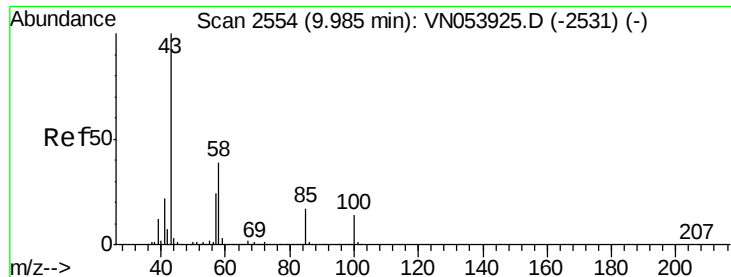
#50
 Toluene-d8
 Concen: 52.134 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Tgt Ion: 98 Resp: 1386276
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.9 77.9



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: 1.477 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN053942.D

Acq: 25 Feb 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

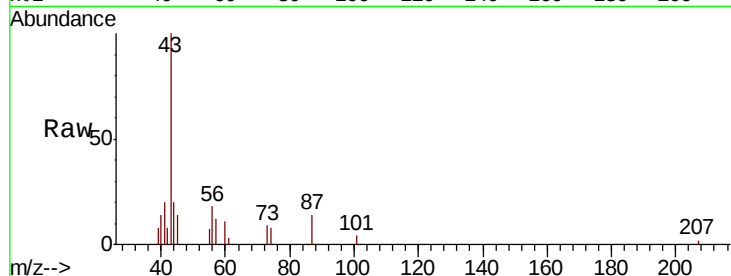
TP-E-WALL-GRADE-BEAM

Tgt Ion: 43 Resp: 9399

Ion Ratio Lower Upper

43 100

58 0.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

8000

6000

4000

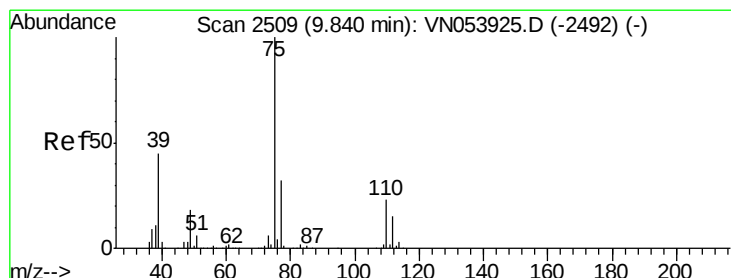
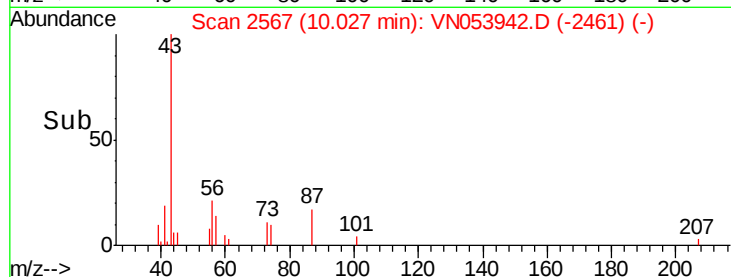
2000

0

10.00

10.05

Time-->



#54

cis-1,3-Dichloropropene

Concen: 5.552 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN053942.D

Acq: 25 Feb 2019 20:56

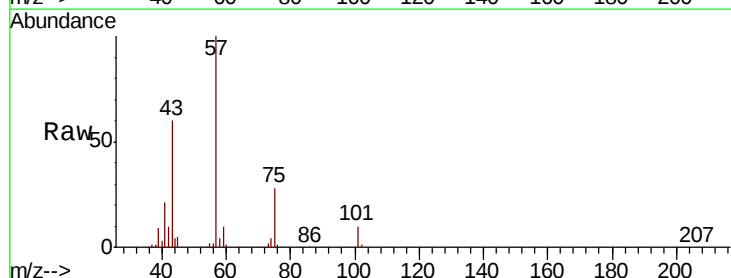
Tgt Ion: 75 Resp: 66339

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.6#

39 33.8 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

40000

30000

20000

10000

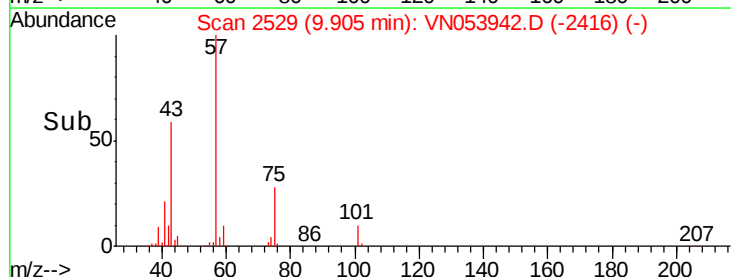
0

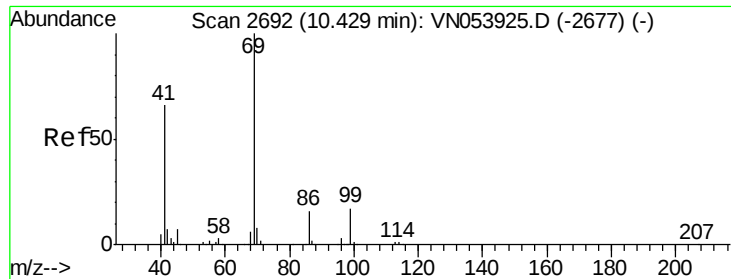
9.80

9.90

10.00

Time-->

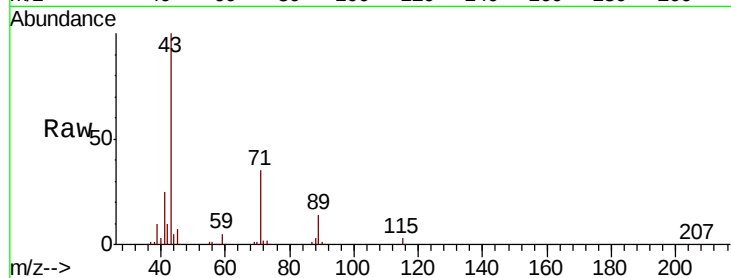




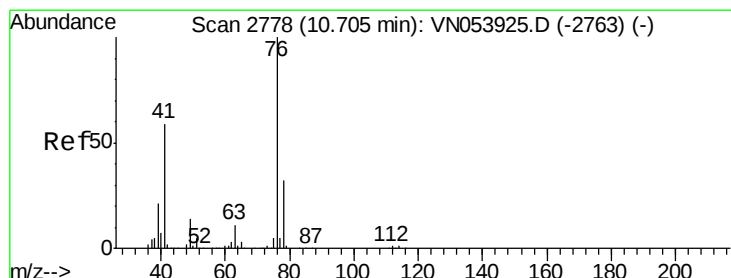
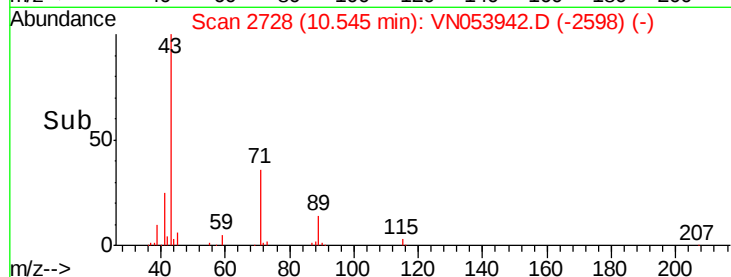
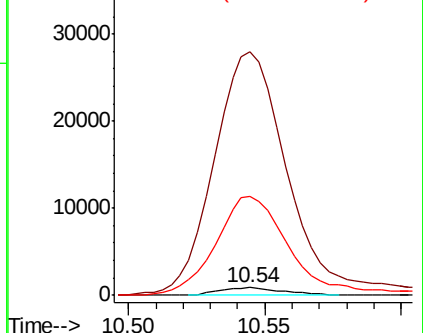
#56
Ethyl methacrylate
Concen: 2.101 ug/l
RT: 10.54 min Scan# 2728
Delta R.T. 0.12 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tgt Ion: 69 Resp: 1379
Ion Ratio Lower Upper
69 100
41 3855.5 47.5 71.3#
39 1553.2 23.4 35.0#

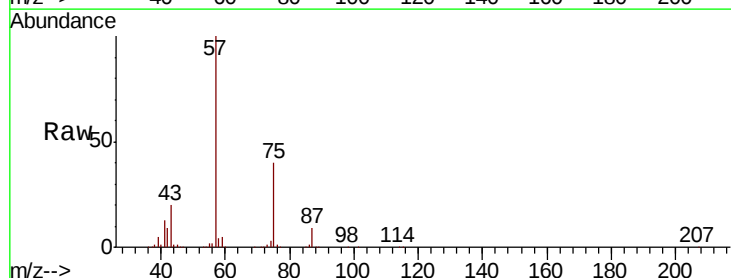


Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

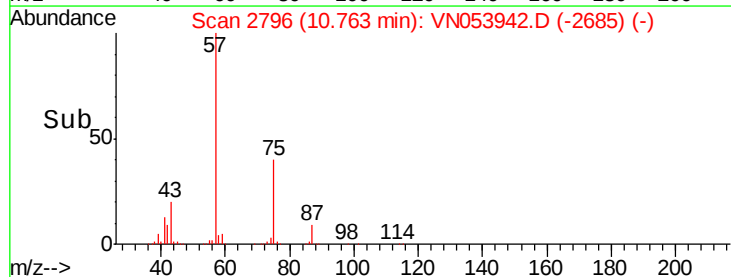
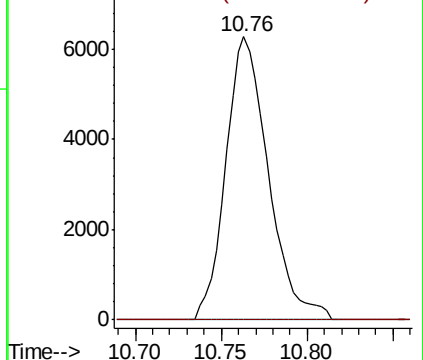


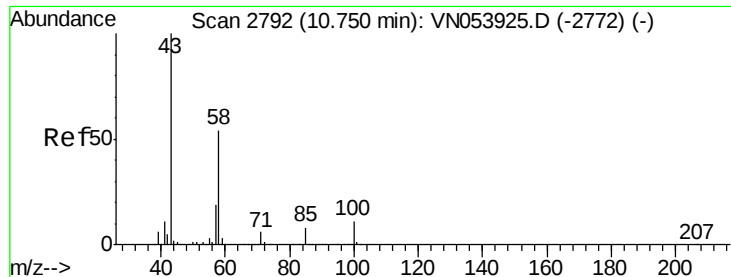
#57
1,3-Dichloropropane
Concen: 0.921 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Tgt Ion: 76 Resp: 10795
Ion Ratio Lower Upper
76 100
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

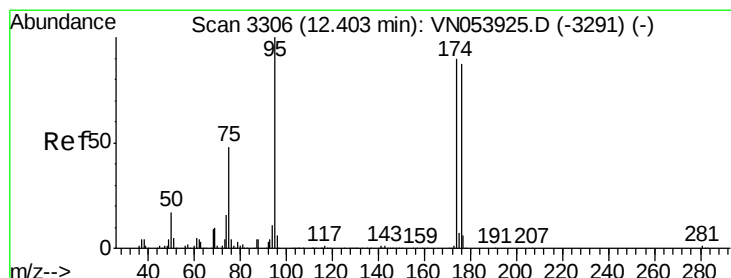
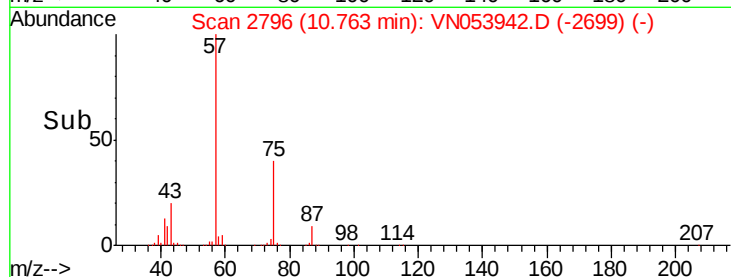
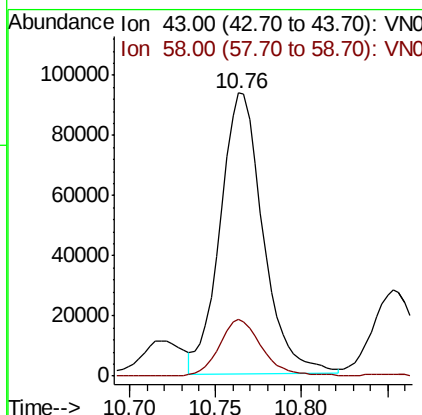
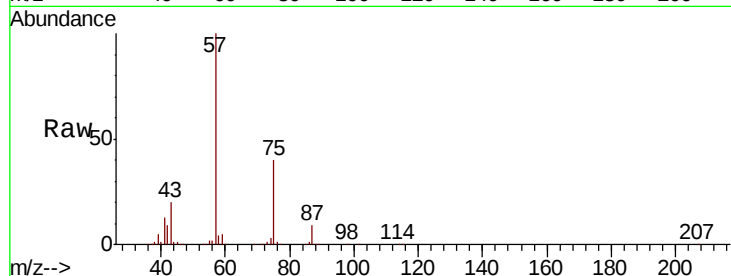




#59
2-Hexanone
Concen: 39.131 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

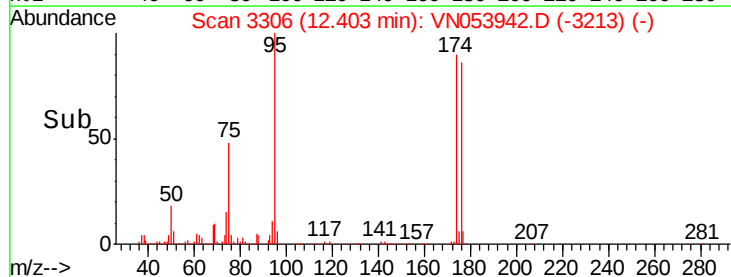
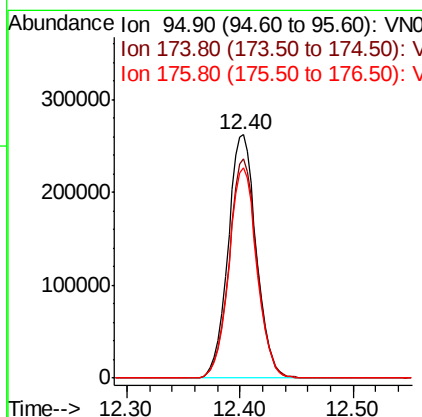
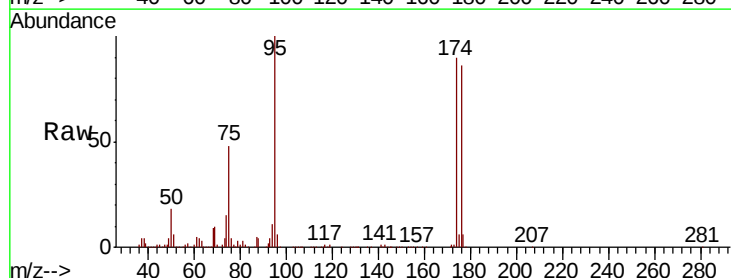
Instrument :
MSVOA_N
ClientSampleId :
TP-E-WALL-GRADE-BEAM

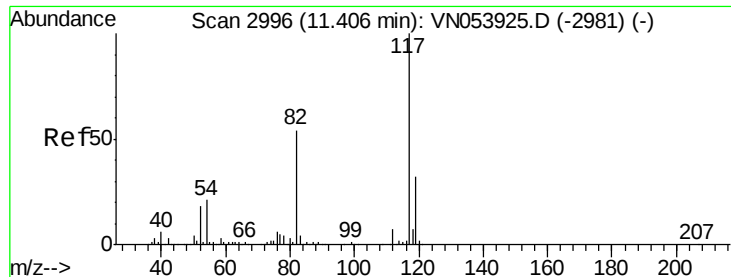
Tgt Ion: 43 Resp: 161965
Ion Ratio Lower Upper
43 100
58 20.4 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 51.128 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Tgt Ion: 95 Resp: 452957
Ion Ratio Lower Upper
95 100
174 89.2 0.0 188.8
176 85.7 0.0 182.6

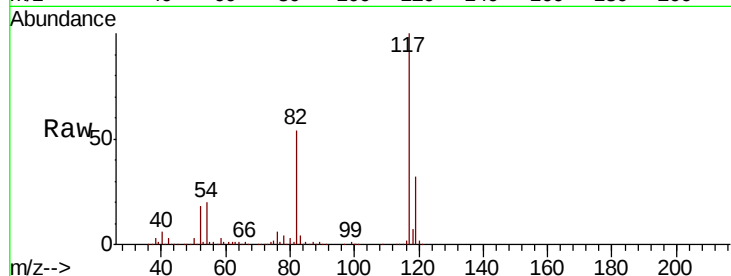




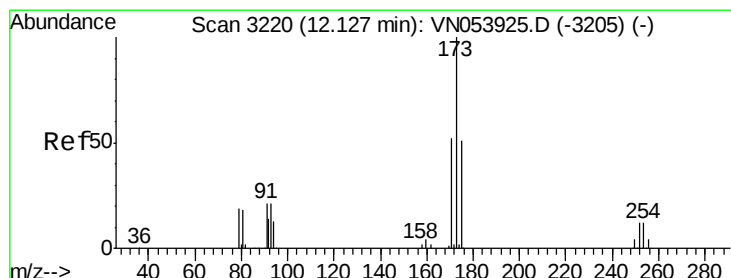
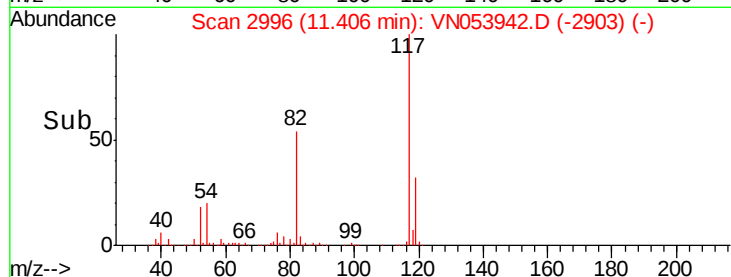
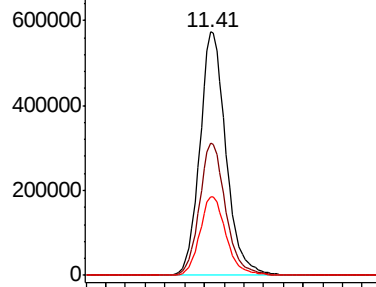
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Instrument :
MSVOA_N
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tgt Ion:117 Resp: 1061747
Ion Ratio Lower Upper
117 100
82 54.4 41.4 62.2
119 32.4 25.3 37.9

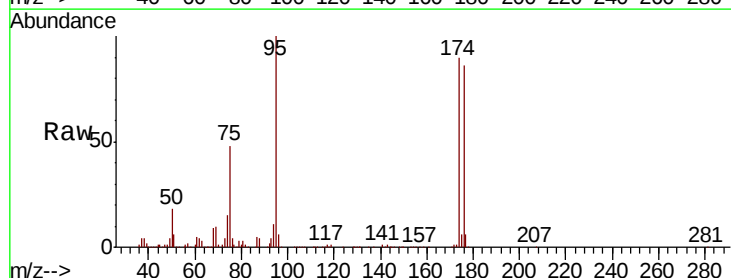


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

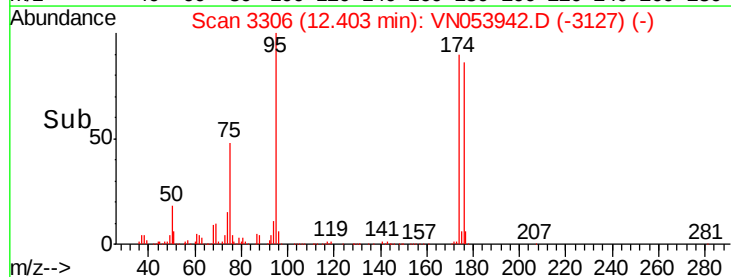
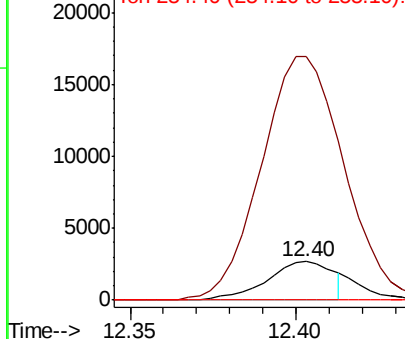


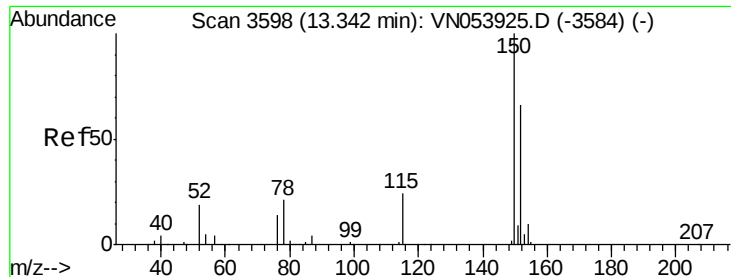
#71
Bromoform
Concen: 0.658 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053942.D
Acq: 25 Feb 2019 20:56

Tgt Ion:173 Resp: 3698
Ion Ratio Lower Upper
173 100
175 679.0 24.3 72.8#
254 0.0 0.2 0.2#



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: VN053942.D

Acq: 25 Feb 2019 20:56

Instrument :

MSVOA_N

ClientSampleId :

TP-E-WALL-GRADE-BEAM

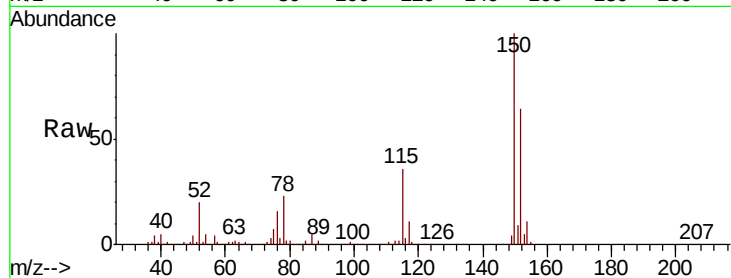
Tgt Ion:152 Resp: 389885

Ion Ratio Lower Upper

152 100

115 56.8 27.2 81.6

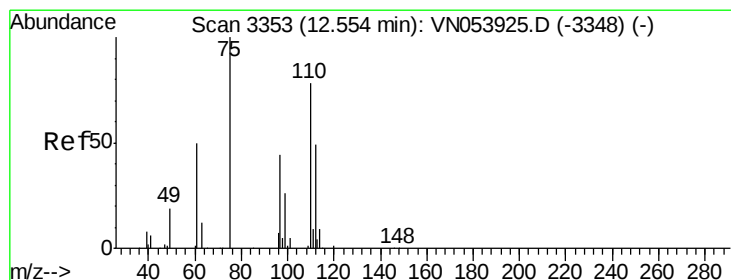
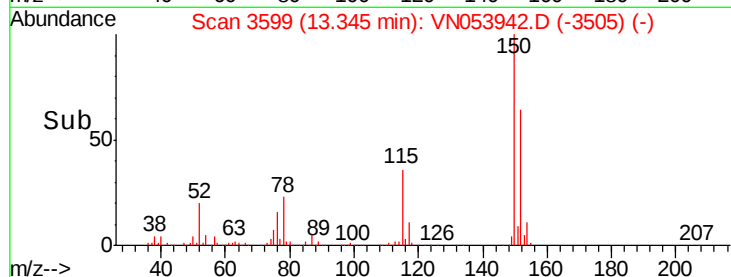
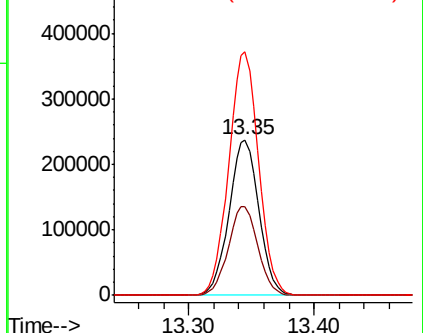
150 156.7 0.0 348.2



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: 35.224 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053942.D

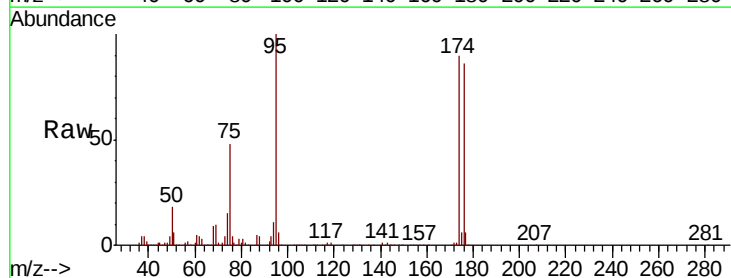
Acq: 25 Feb 2019 20:56

Tgt Ion: 75 Resp: 220308

Ion Ratio Lower Upper

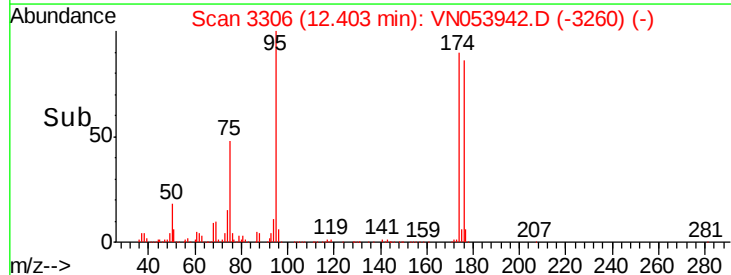
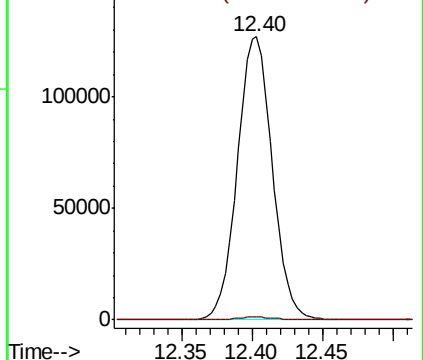
75 100

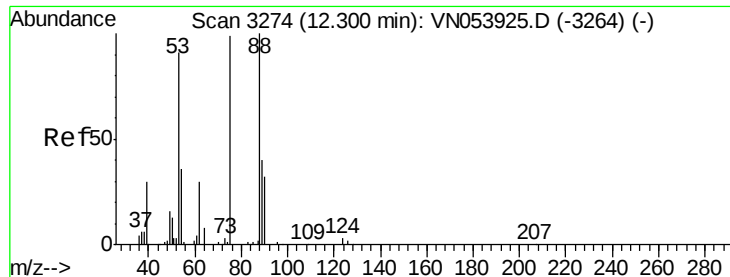
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

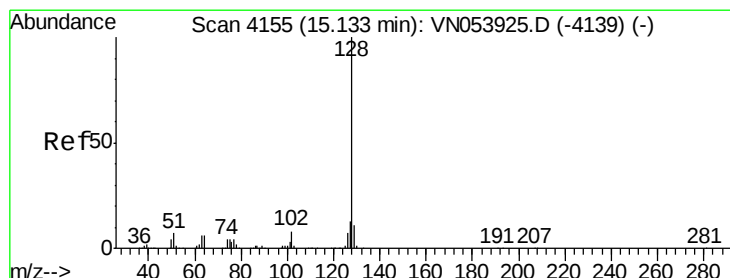
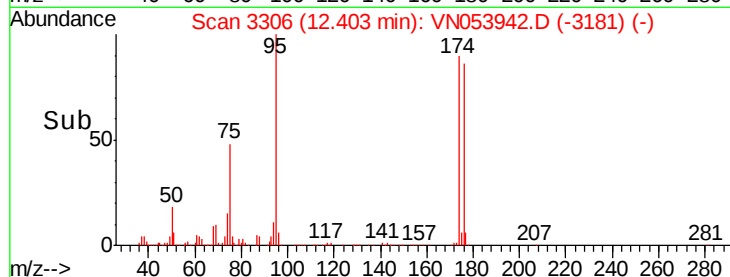
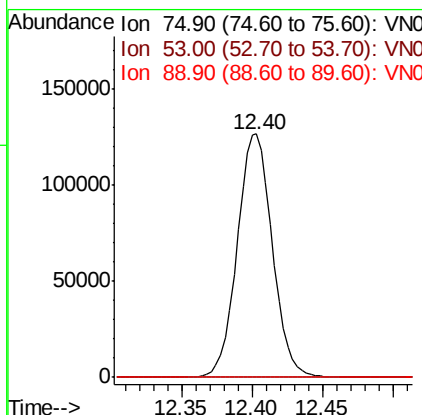
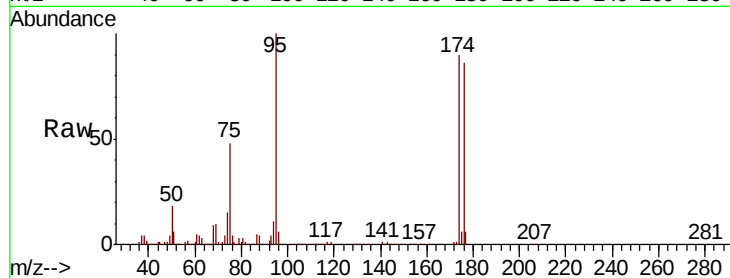




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.331 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Tgt Ion: 75 Resp: 220308
 Ion Ratio Lower Upper
 75 100
 53 0.1 68.6 102.8#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 3.242 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053942.D
 Acq: 25 Feb 2019 20:56

Tgt Ion: 128 Resp: 501
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#

