

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053741.D
 Acq On : 12 Feb 2019 20:01
 Operator : JC/SP
 Sample : K1462-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-S

Quant Time: Feb 13 04:18:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1175766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1079916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440938	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	373954	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	7.59	113	374153	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.09	98	1414372	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	468508	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	

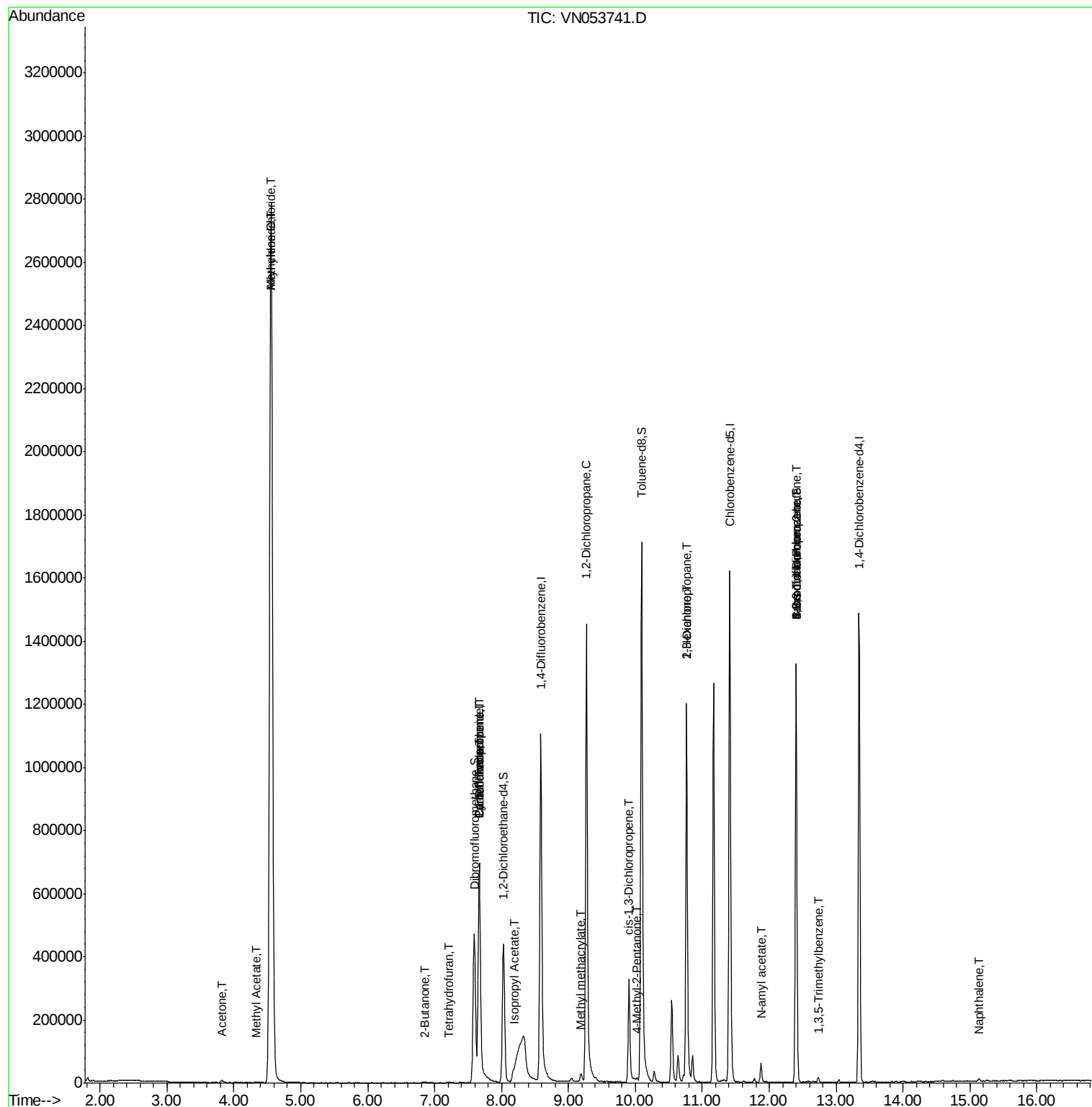
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	78900	7.621	ug/l #	27
16) Acetone	3.82	43	11475	6.351	ug/l	95
18) Methyl Acetate	4.34	43	3268	0.611	ug/l	95
20) Methylene Chloride	4.55	84	2240114	295.509	ug/l	99
25) 2-Butanone	6.85	43	1379	0.535	ug/l #	62
29) Tetrahydrofuran	7.22	42	908	0.549	ug/l #	64
31) Cyclohexane	7.67	56	10016	0.674	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41259	3.893	ug/l #	49
38) Carbon Tetrachloride	7.67	117	56081	5.252	ug/l #	15
43) Isopropyl Acetate	8.18	43	33467	2.928	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	1932	0.231	ug/l #	43
48) Methyl methacrylate	9.18	41	9767	1.790	ug/l #	22
51) 4-Methyl-2-Pentanone	10.02	43	9583	1.706	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	69731	5.609	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	13856	1.160	ug/l #	43
59) 2-Hexanone	10.76	43	174228	45.686	ug/l #	50
71) Bromoform	12.40	173	3058	0.557	ug/l #	1
74) N-amyl acetate	11.88	43	17764	2.383	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	213914	37.770	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	6898	0.268	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	213914	106.207	ug/l #	15
95) Naphthalene	15.14	128	6920	2.081	ug/l #	93

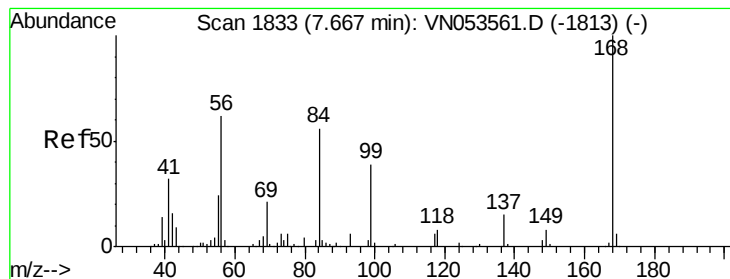
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021219\
Data File : VN053741.D
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Quant Time: Feb 13 04:18:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

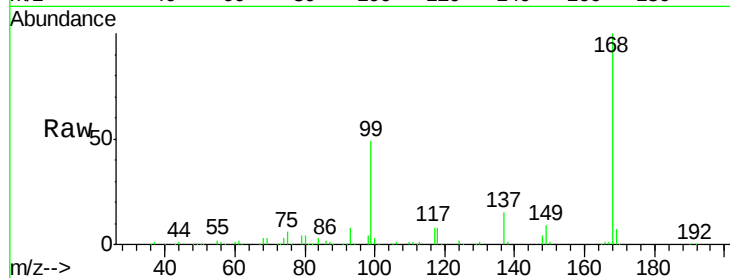
TP-3-S

Tot Ion:168 Resp: 702182

Ion Ratio Lower Upper

168 100

99 48.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

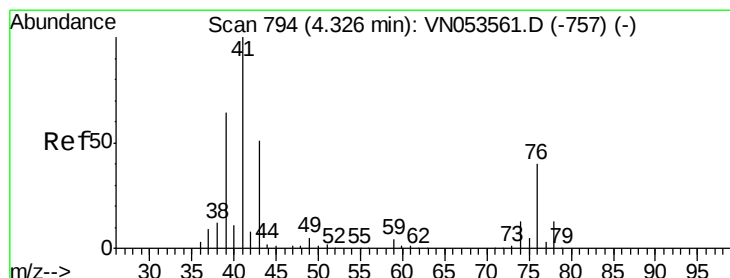
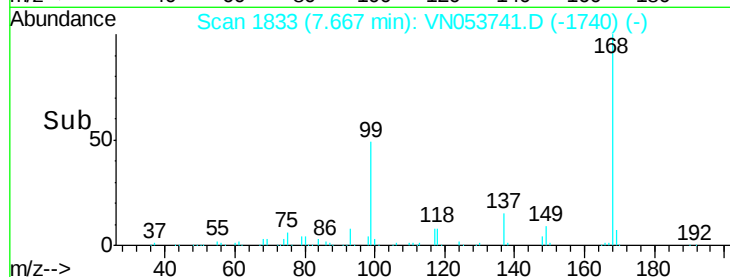
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#14

Allyl chloride

Concen: 7.621 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

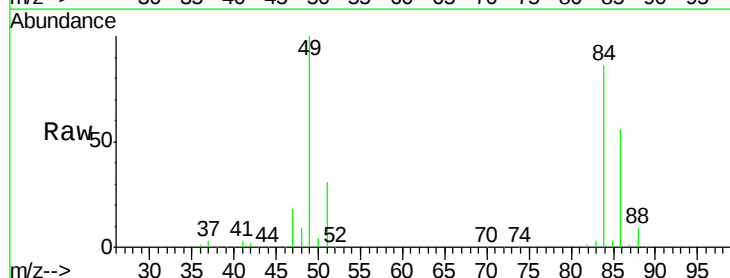
Tgt Ion: 41 Resp: 78900

Ion Ratio Lower Upper

41 100

39 0.3 48.9 73.3#

76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

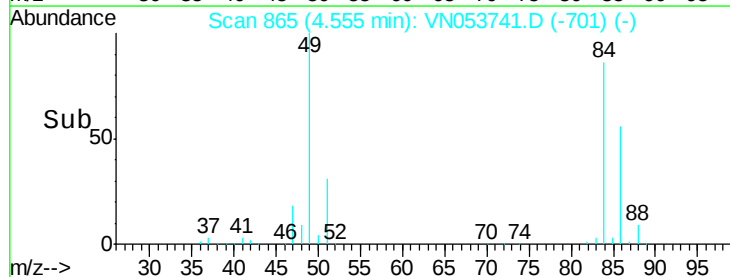
30000

20000

10000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 6.351 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

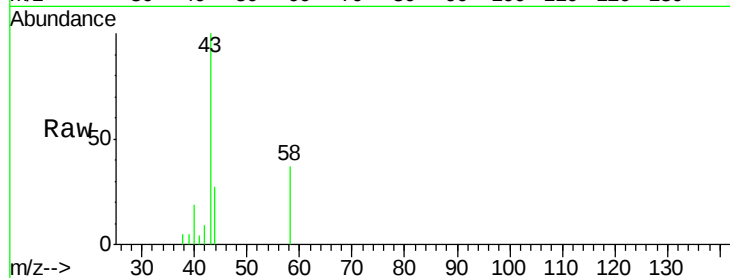
TP-3-S

Tot Ion: 43 Resp: 11475

Ion Ratio Lower Upper

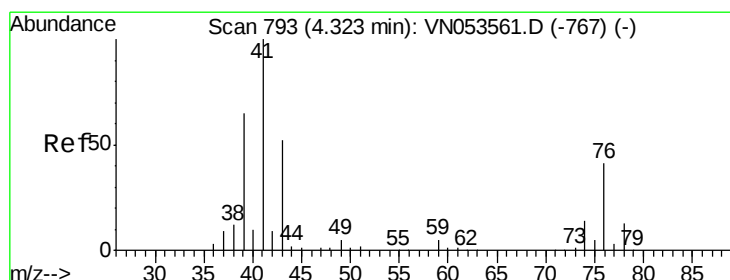
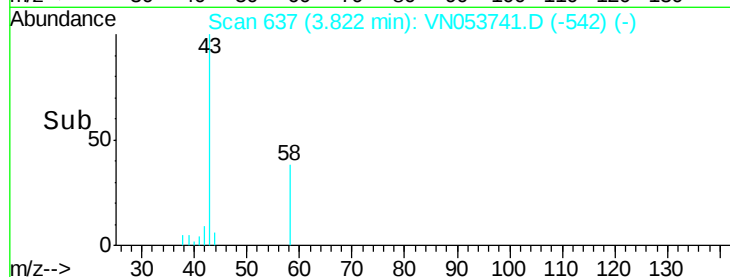
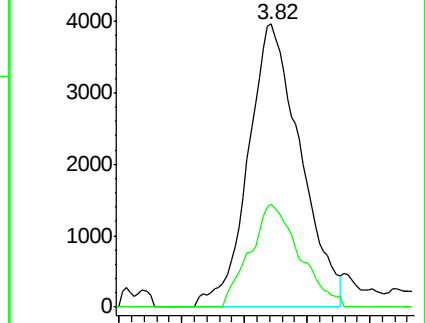
43 100

58 36.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.611 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053741.D

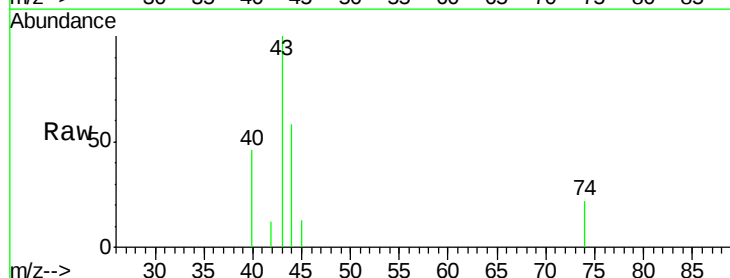
Acq: 12 Feb 2019 20:01

Tgt Ion: 43 Resp: 3268

Ion Ratio Lower Upper

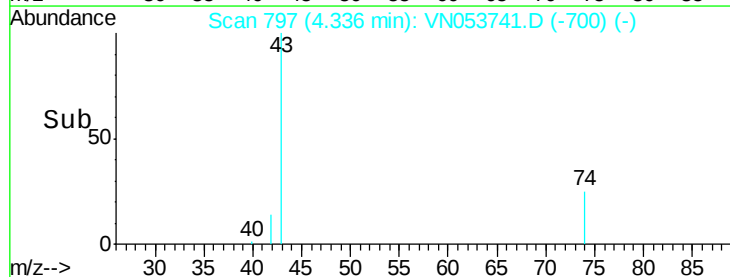
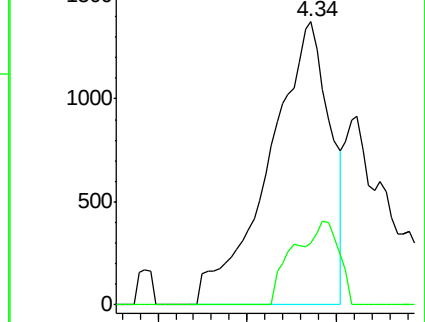
43 100

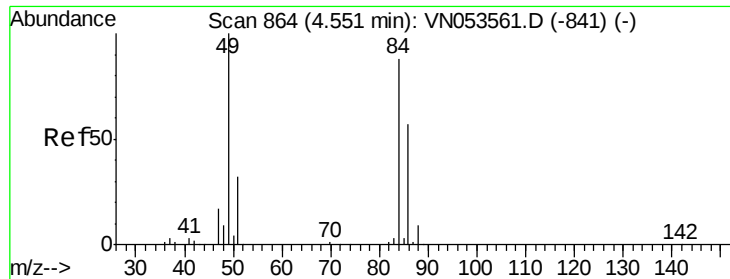
74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



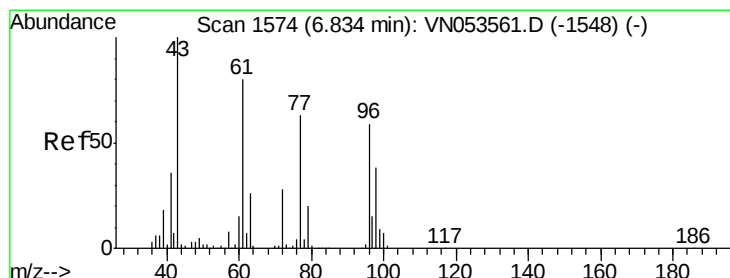
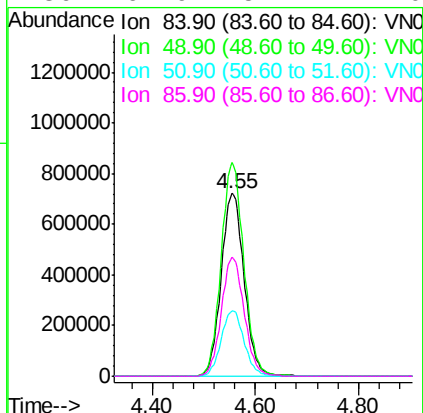
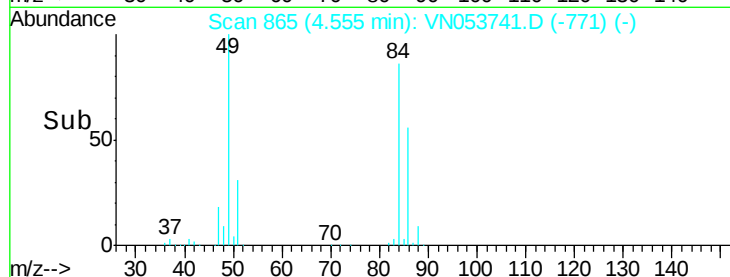
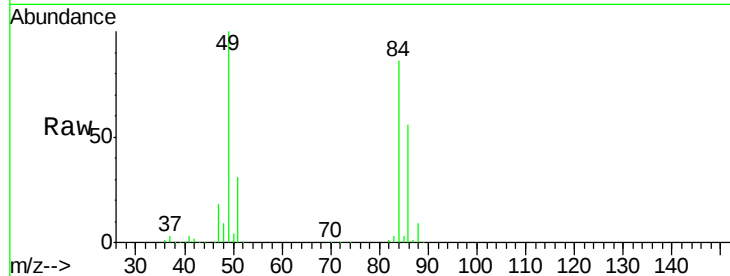


#20
Methvlene Chloride
Concen: 295.509 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Instrument :
MSVOA_N
ClientSampled :
TP-3-S

Tot Ion: 84 Resp: 2240114

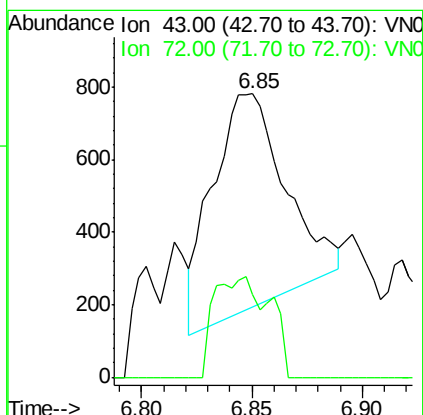
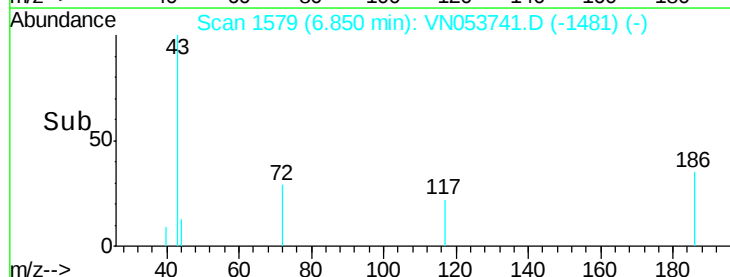
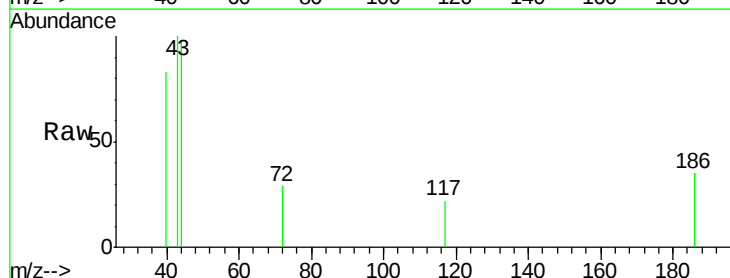
Ion	Ratio	Lower	Upper
84	100		
49	116.7	94.3	141.5
51	35.8	29.4	44.2
86	64.9	51.4	77.0

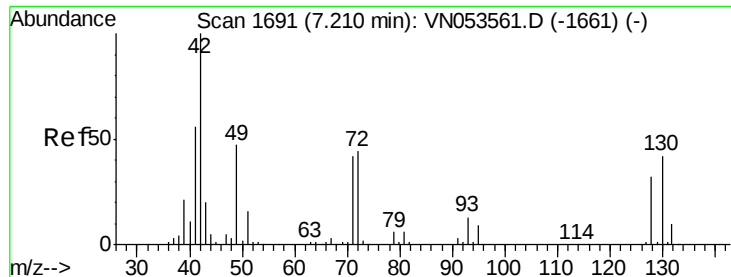


#25
2-Butanone
Concen: 0.535 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Tgt Ion: 43 Resp: 1379

Ion	Ratio	Lower	Upper
43	100		
72	47.3	22.0	33.0#

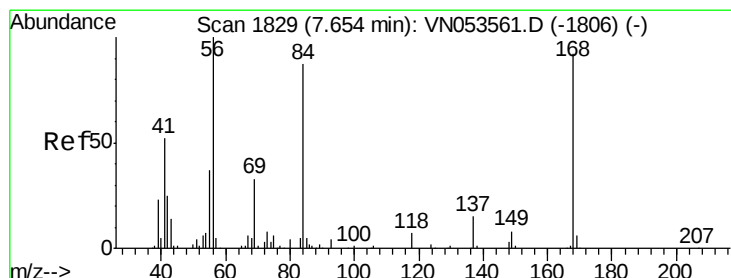
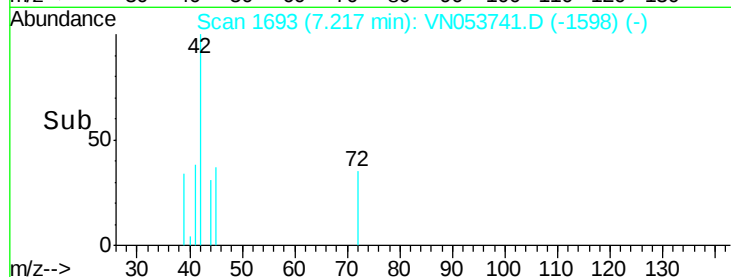
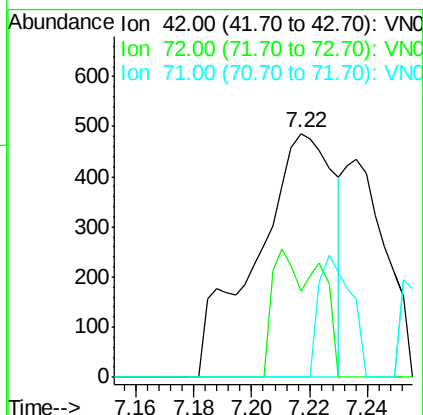
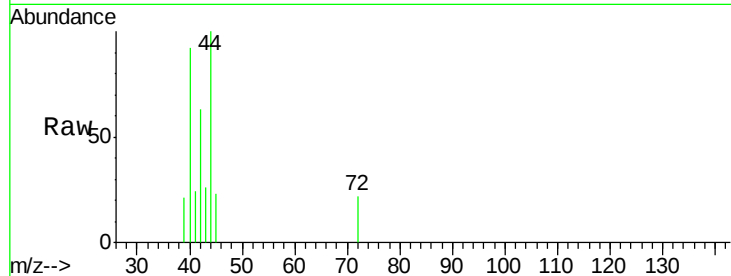




#29
Tetrahydrofuran
Concen: 0.549 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

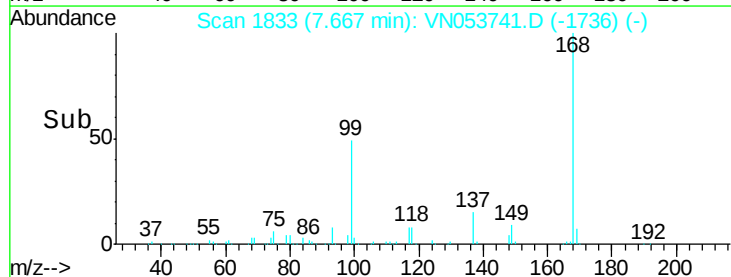
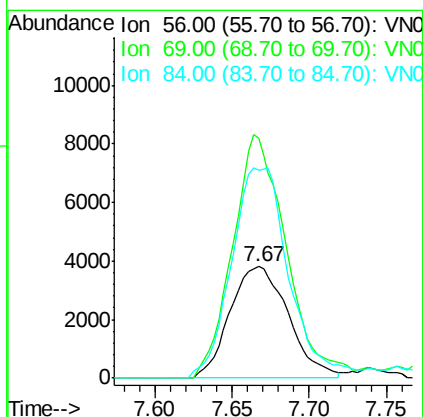
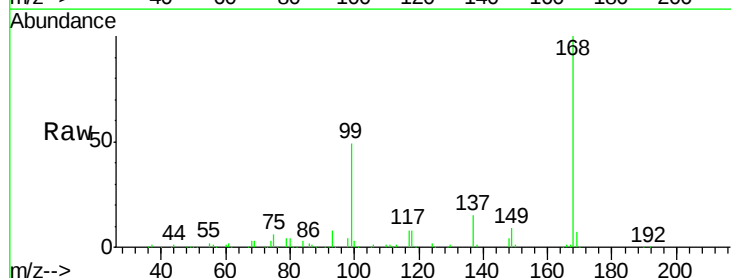
Instrument :
MSVOA_N
ClientSampled :
TP-3-S

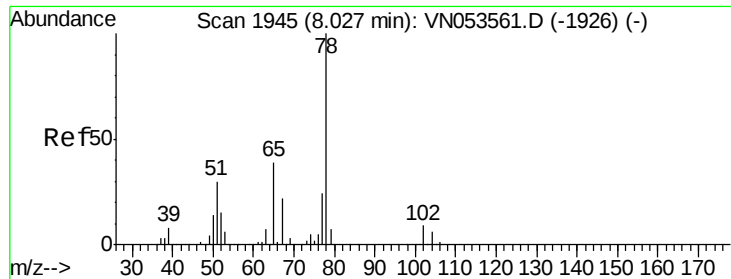
Tot Ion: 42 Resp: 908
Ion Ratio Lower Upper
42 100
72 18.3 35.2 52.8#
71 20.7 33.0 49.4#



#31
Cyclohexane
Concen: 0.674 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Tgt Ion: 56 Resp: 10016
Ion Ratio Lower Upper
56 100
69 215.1 26.4 39.6#
84 186.0 67.9 101.9#

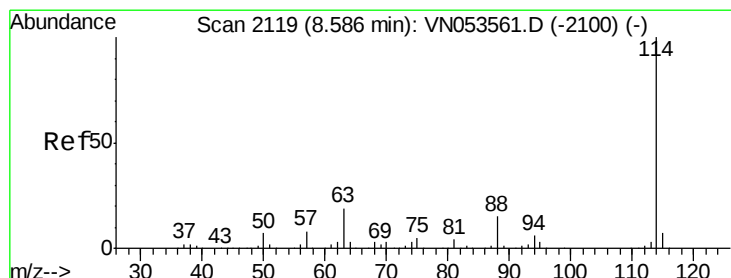
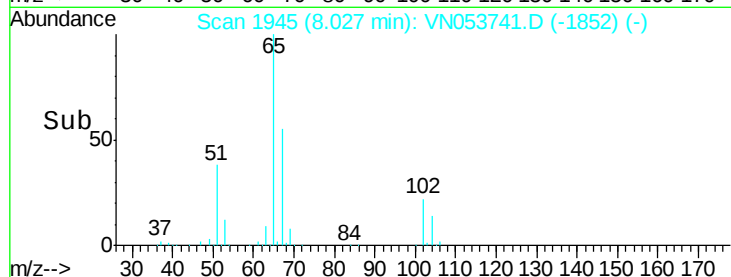
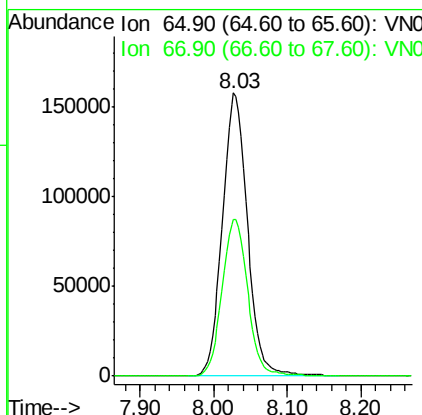
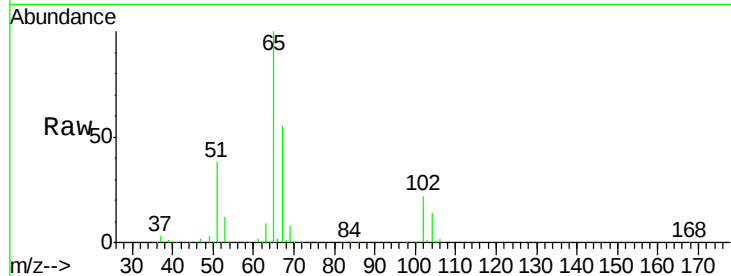




#33
 1,2-Dichloroethane-d4
 Concen: 53.087 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

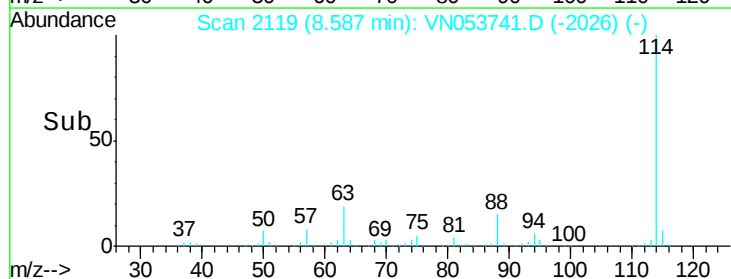
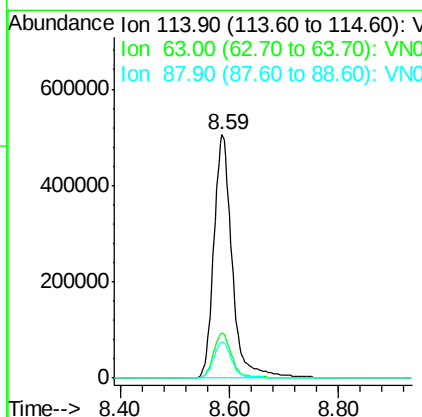
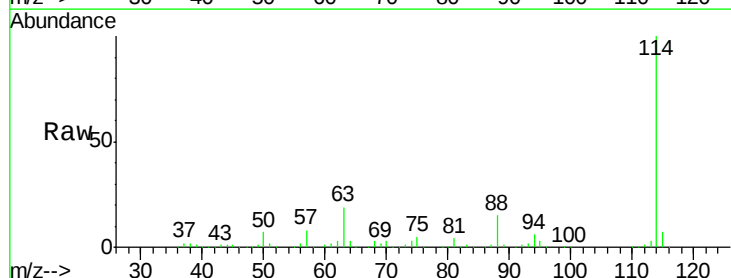
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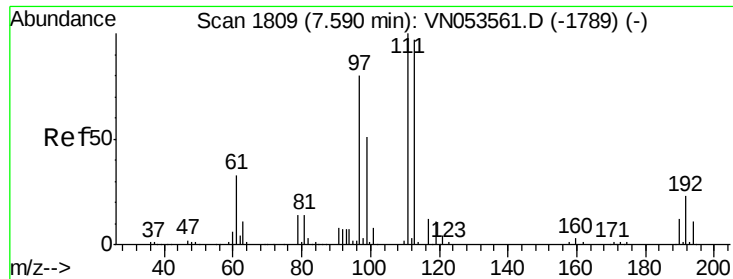
Tot Ion: 65 Resp: 373954
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

Tgt Ion: 114 Resp: 1175766
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 14.9 0.0 30.4

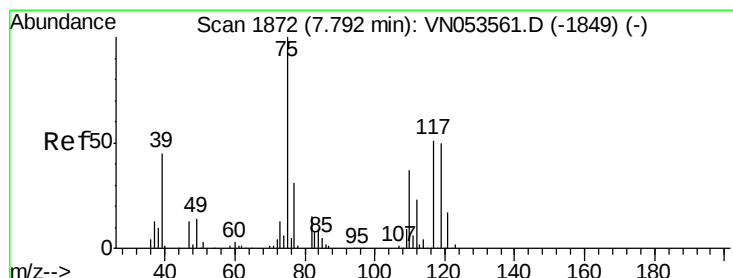
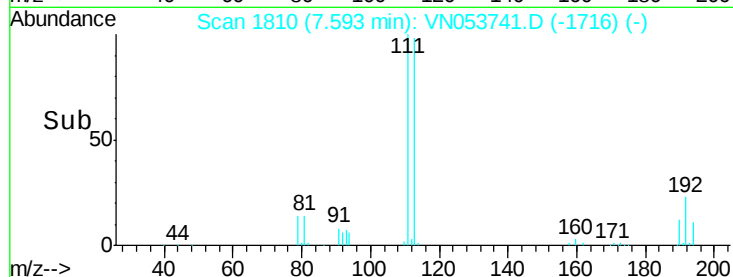
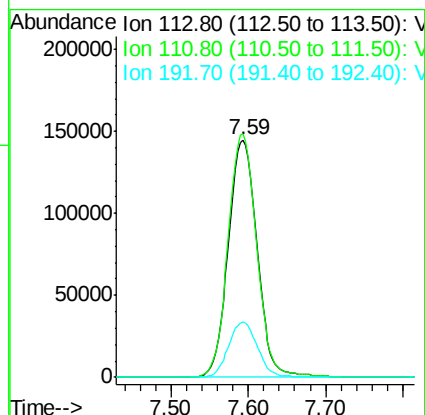
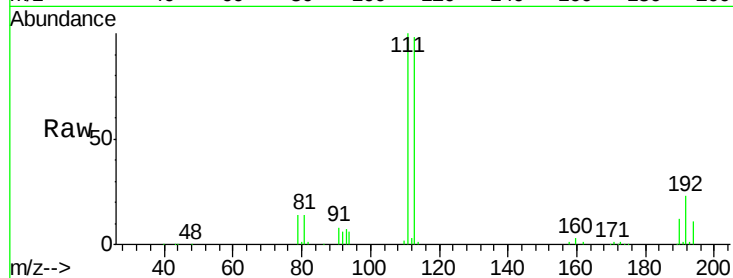




#35
 Dibromofluoromethane
 Concen: 50.362 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

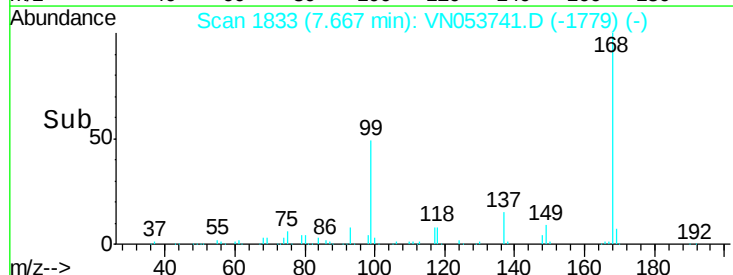
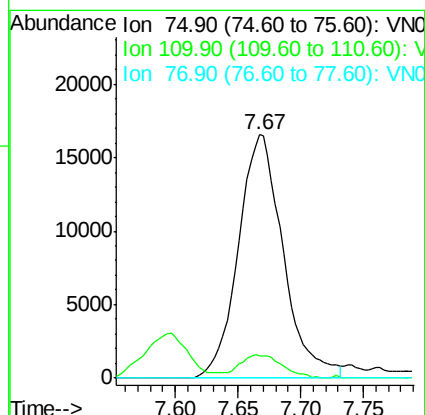
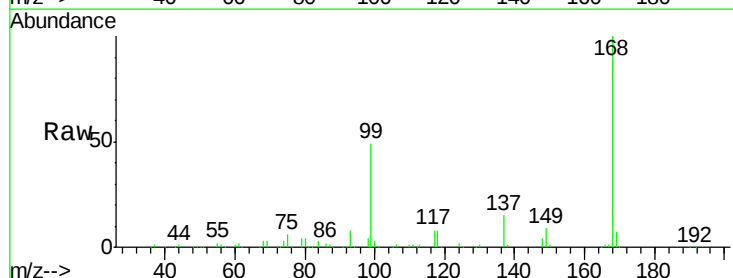
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-S

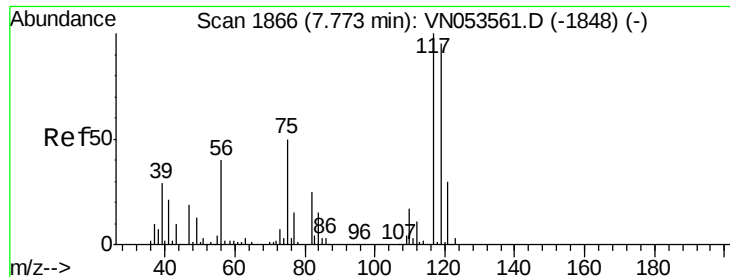
Tot Ion:113 Resp: 374153
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 3.893 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

Tgt Ion: 75 Resp: 41259
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.252 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

TP-3-S

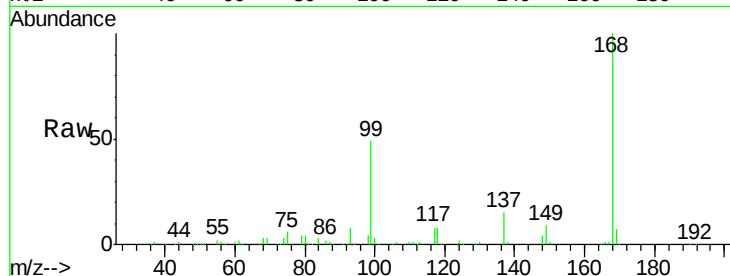
Tot Ion:117 Resp: 56081

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

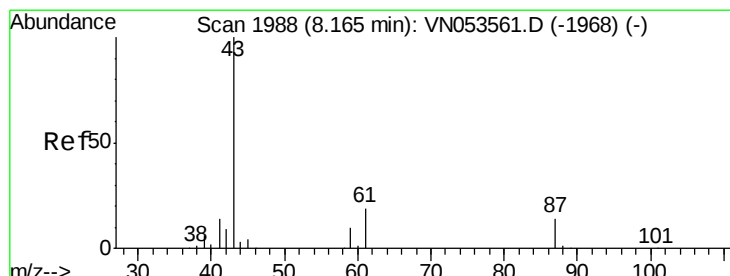
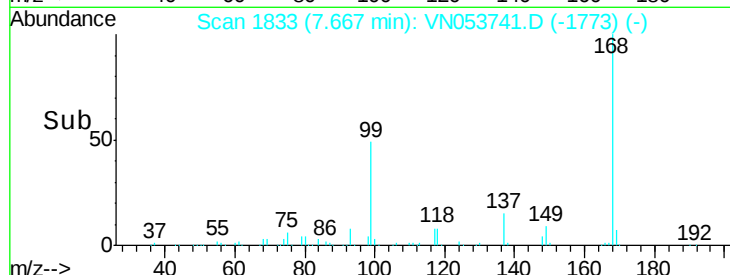
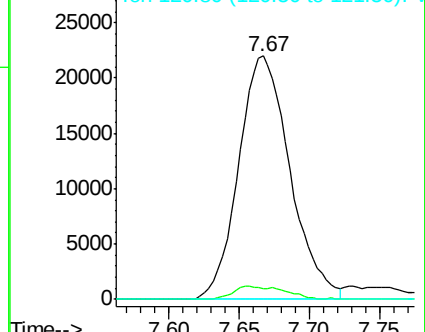
121 0.0 24.6 37.0#



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: 2.928 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

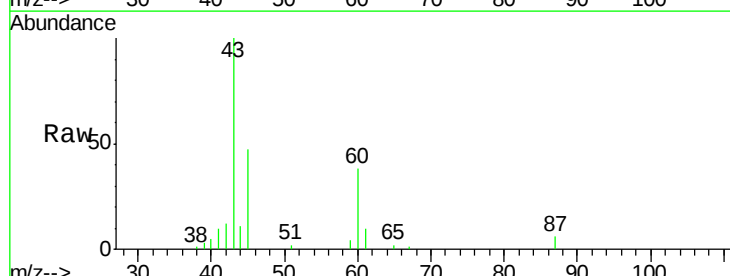
Tgt Ion: 43 Resp: 33467

Ion Ratio Lower Upper

43 100

61 16.1 23.9 35.9#

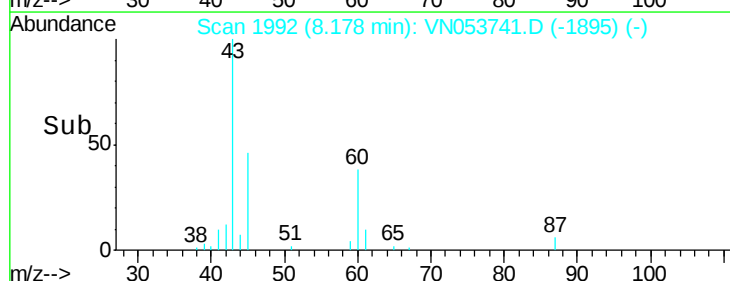
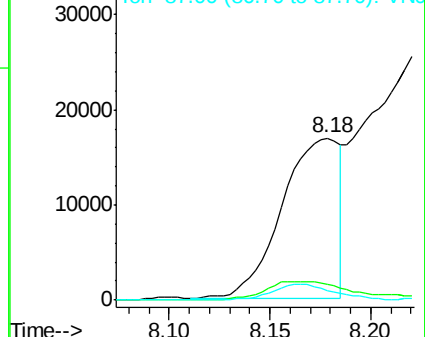
87 10.6 11.0 16.6#

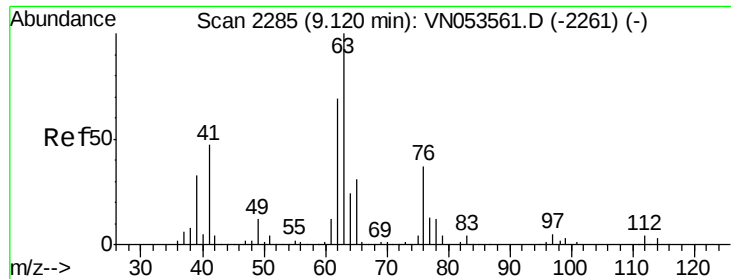


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

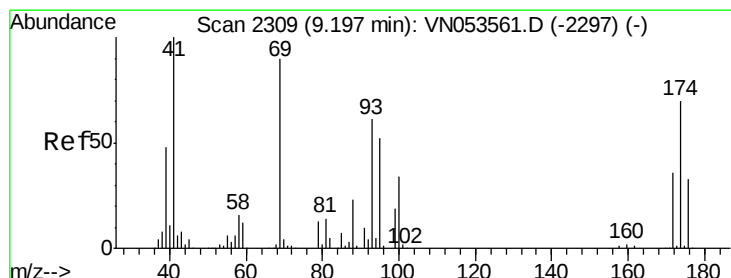
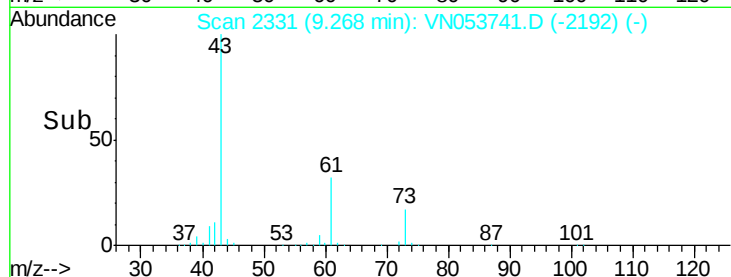
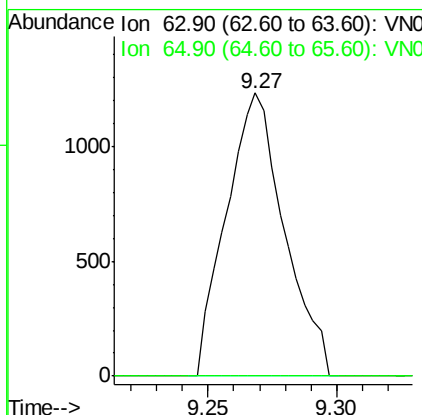
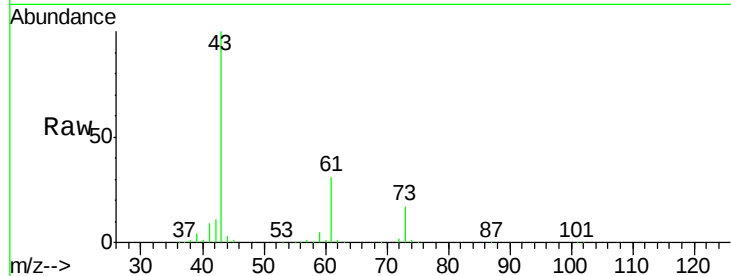




#45
 1,2-Dichloropropane
 Concen: 0.231 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

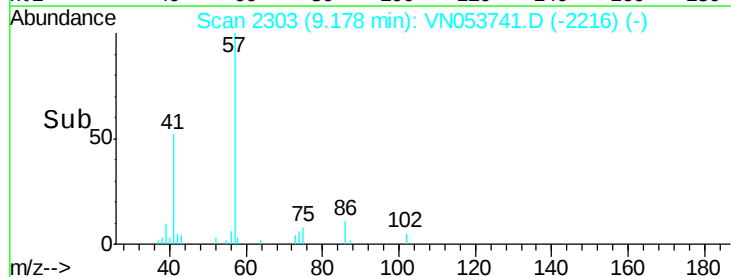
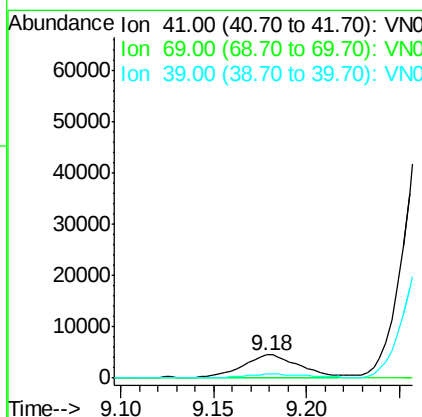
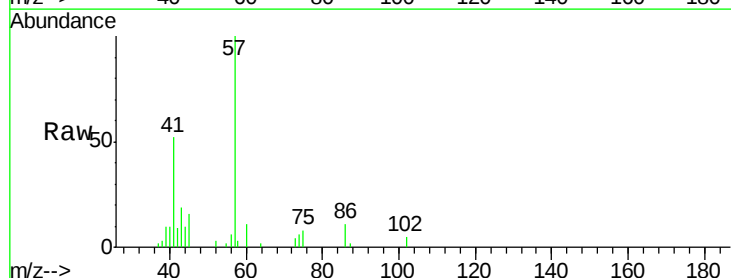
Instrument :
 MSVOA_N
 ClientSampled :
 TP-3-S

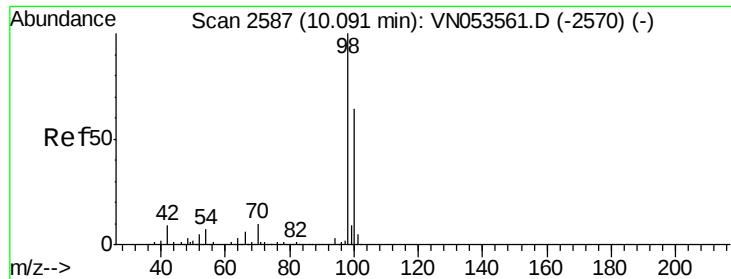
Tot Ion: 63 Resp: 1932
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.790 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

Tgt Ion: 41 Resp: 9767
 Ion Ratio Lower Upper
 41 100
 69 0.0 73.8 110.6#
 39 20.1 40.0 60.0#

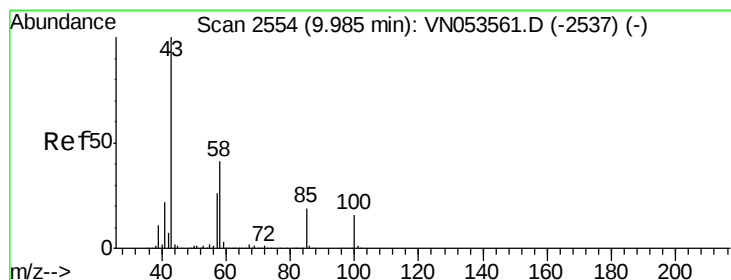
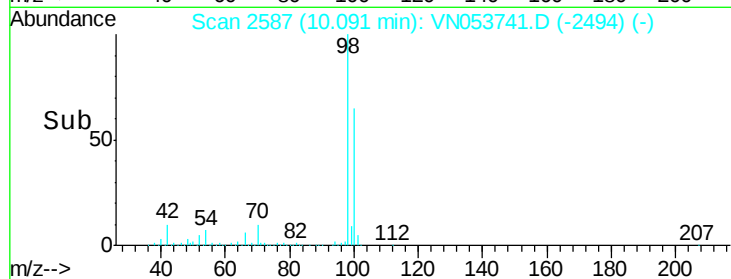
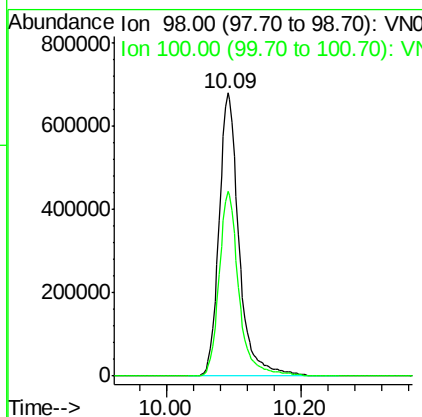
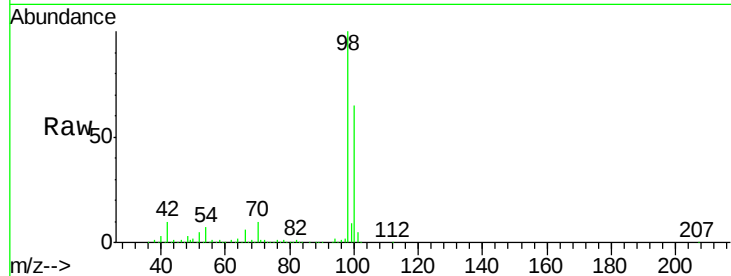




#50
Toluene-d8
Concen: 50.702 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

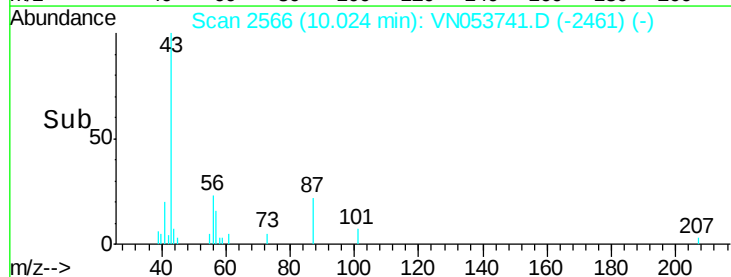
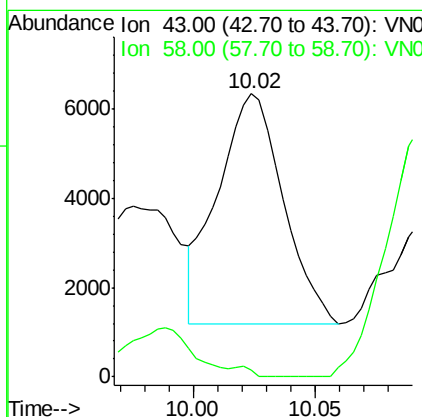
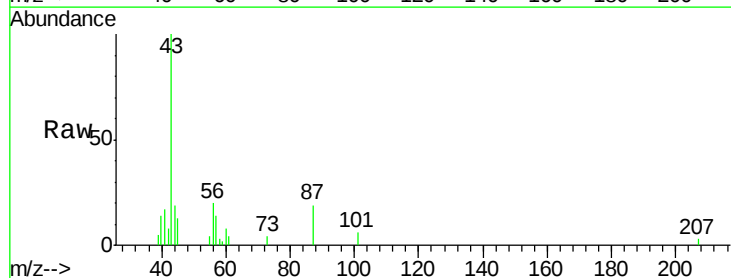
Instrument :
MSVOA_N
ClientSampled :
TP-3-S

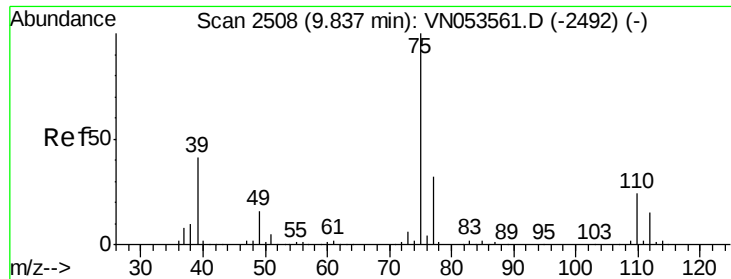
Tot Ion: 98 Resp: 1414372
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.706 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Tgt Ion: 43 Resp: 9583
Ion Ratio Lower Upper
43 100
58 0.0 32.8 49.2#

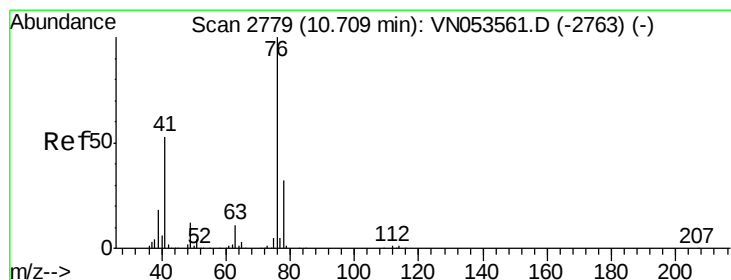
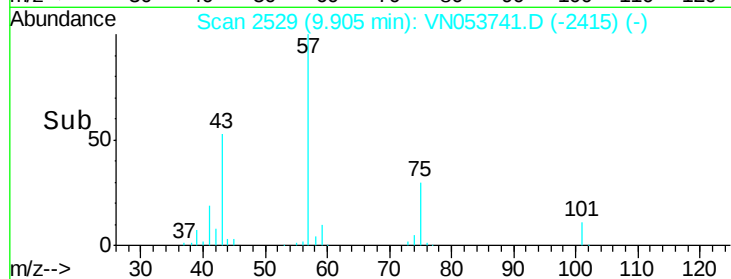
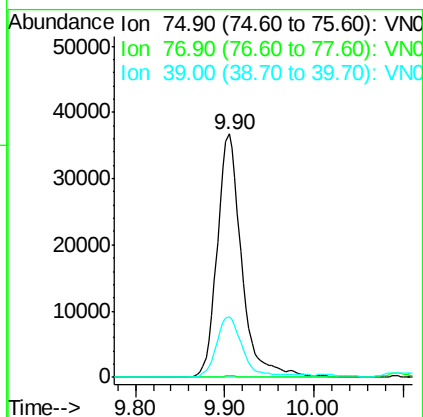
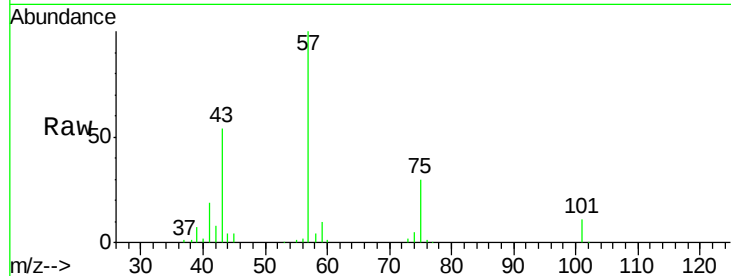




#54
 cis-1,3-Dichloropropene
 Concen: 5.609 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

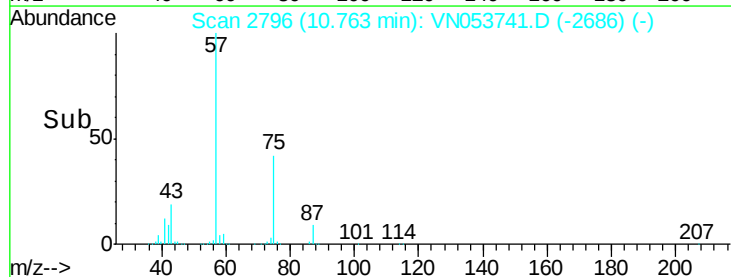
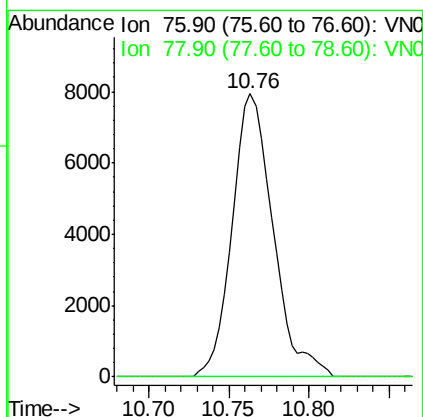
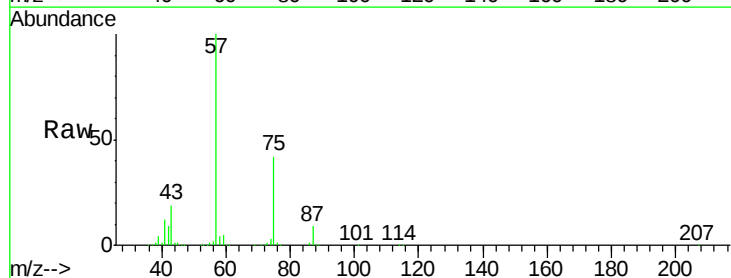
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3-S

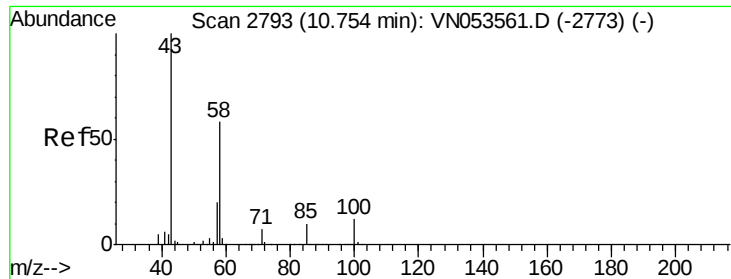
Tot Ion: 75 Resp: 69731
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 24.7 33.4 50.0#



#57
 1,3-Dichloropropane
 Concen: 1.160 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053741.D
 Acq: 12 Feb 2019 20:01

Tgt Ion: 76 Resp: 13856
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

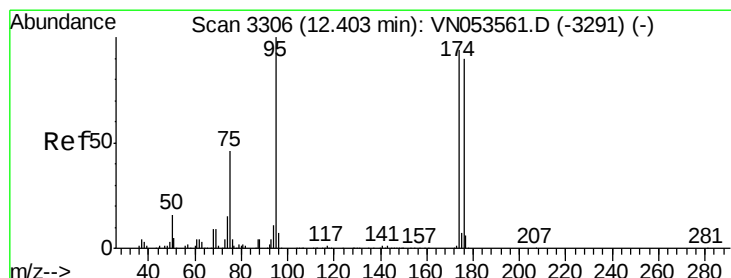
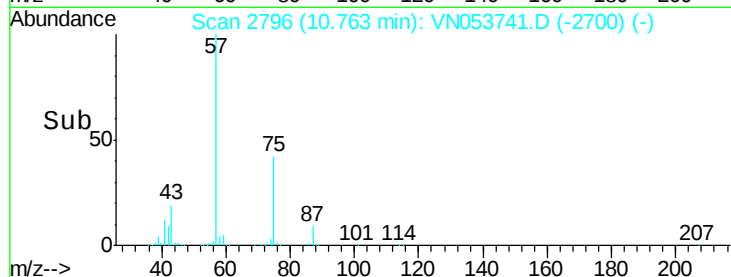
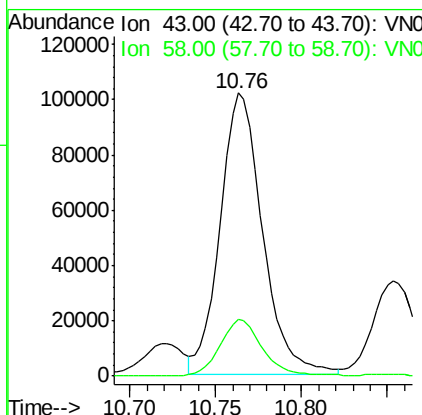
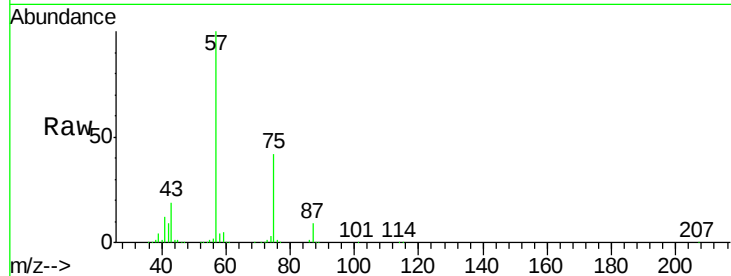




#59
2-Hexanone
Concen: 45.686 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

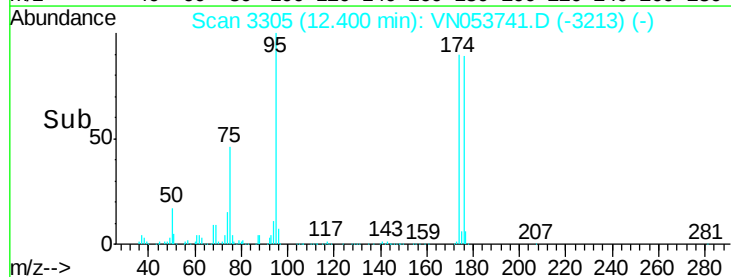
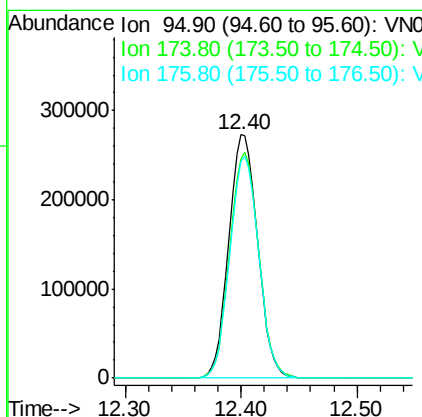
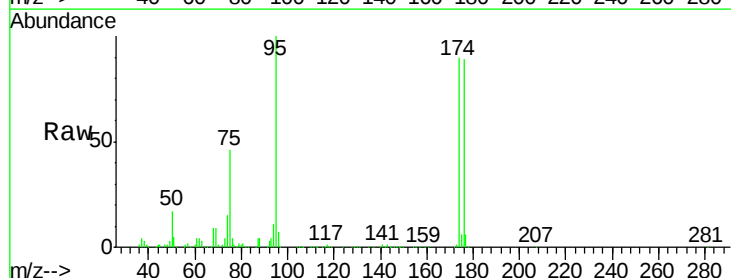
Instrument :
MSVOA_N
ClientSampleId :
TP-3-S

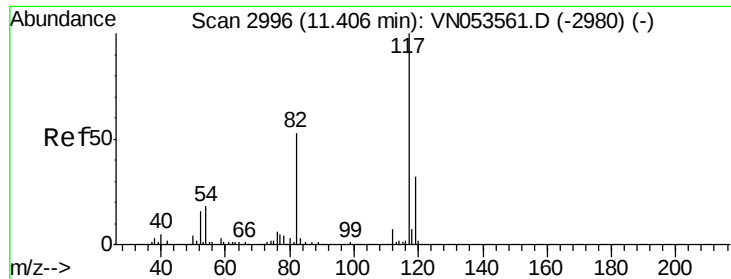
Tot Ion: 43 Resp: 174228
Ion Ratio Lower Upper
43 100
58 20.3 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 50.357 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Tgt Ion: 95 Resp: 468508
Ion Ratio Lower Upper
95 100
174 93.2 0.0 183.2
176 91.1 0.0 177.4

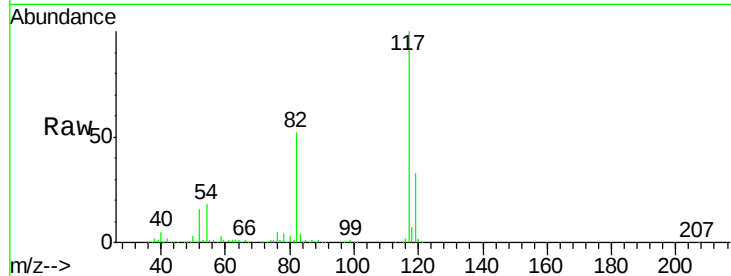




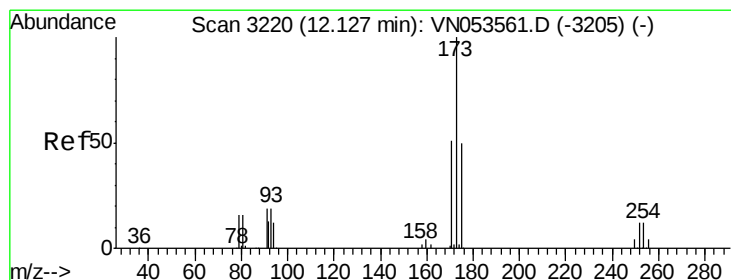
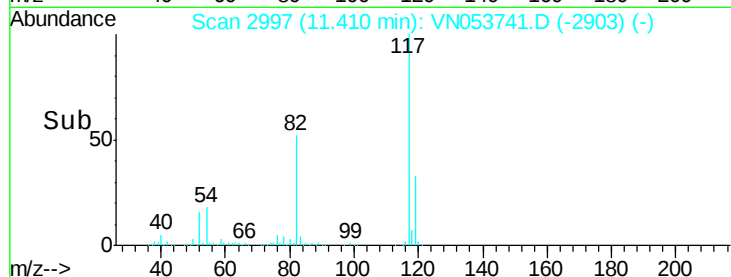
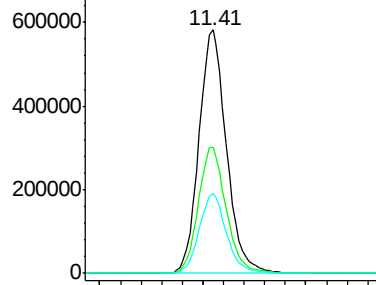
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Instrument :
MSVOA_N
ClientSampleId :
TP-3-S

Tot Ion:117 Resp: 1079916
Ion Ratio Lower Upper
117 100
82 51.8 42.9 64.3
119 32.7 26.0 39.0

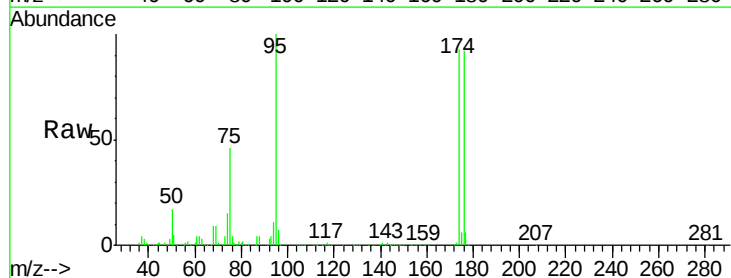


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

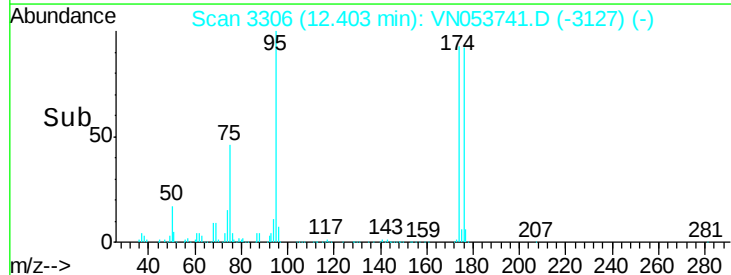
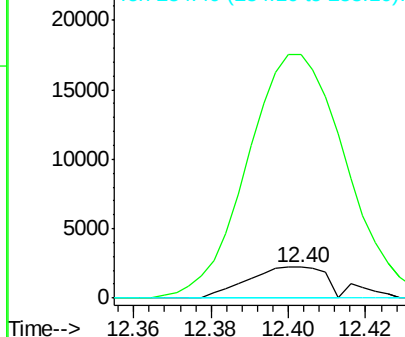


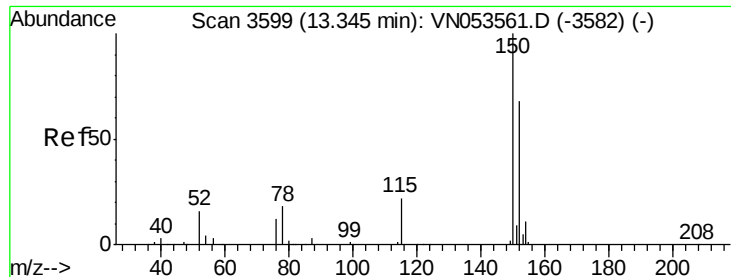
#71
Bromoform
Concen: 0.557 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053741.D
Acq: 12 Feb 2019 20:01

Tgt Ion:173 Resp: 3058
Ion Ratio Lower Upper
173 100
175 863.2 24.6 74.0#
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: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

TP-3-S

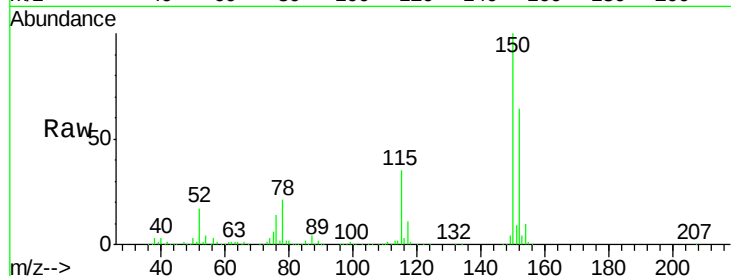
Tot Ion:152 Resp: 440938

Ion Ratio Lower Upper

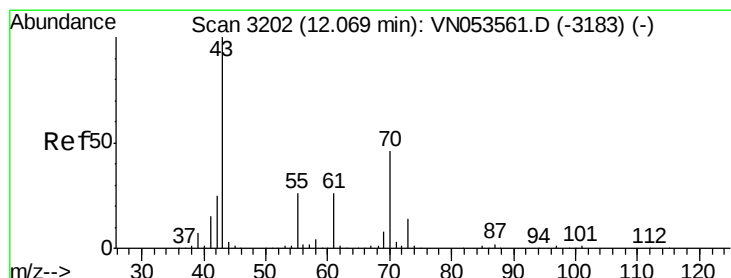
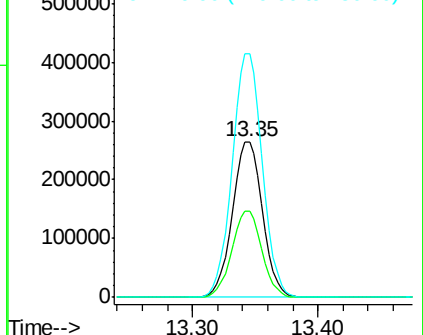
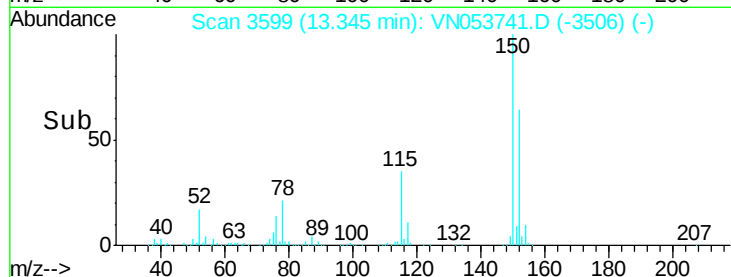
152 100

115 55.0 27.8 83.4

150 156.5 0.0 349.0



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: 2.383 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

Tgt Ion: 43 Resp: 17764

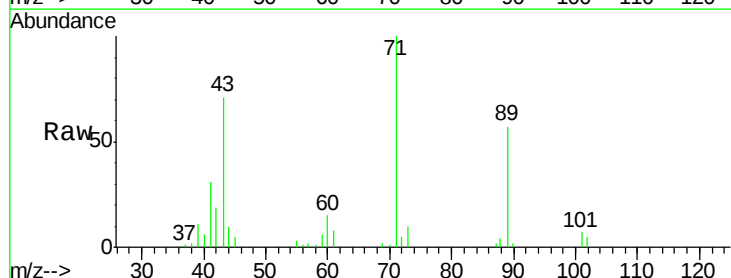
Ion Ratio Lower Upper

43 100

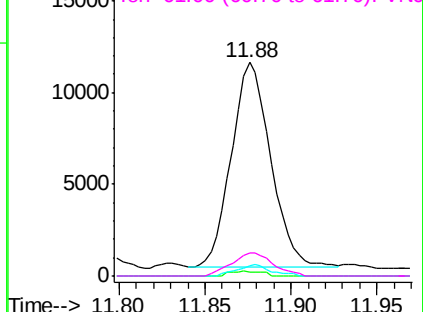
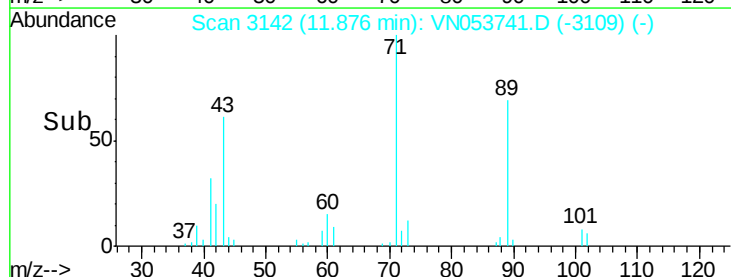
70 1.8 35.4 53.2#

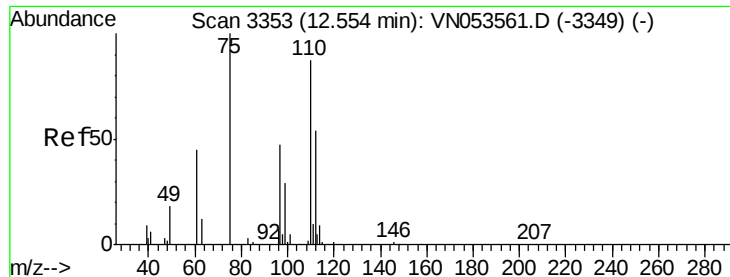
55 4.8 20.9 31.3#

61 11.8 20.5 30.7#



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





#76

1,2,3-Trichloropropane

Concen: 37.770 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampled :

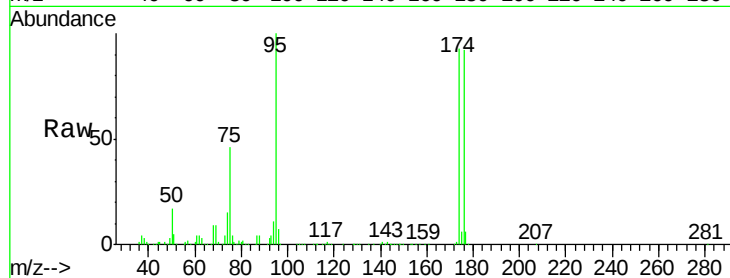
TP-3-S

Tot Ion: 75 Resp: 213914

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053741.D (-3306) (-)

Ion 77.00 (76.70 to 77.70): VN053741.D (-3306) (-)

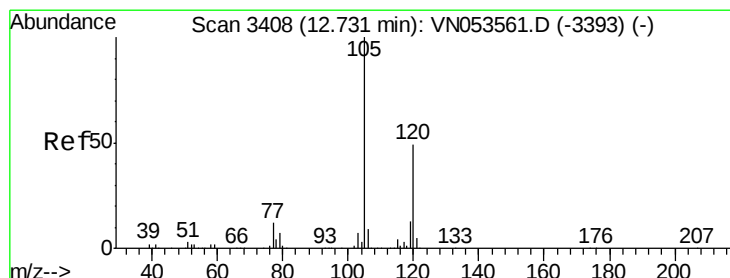
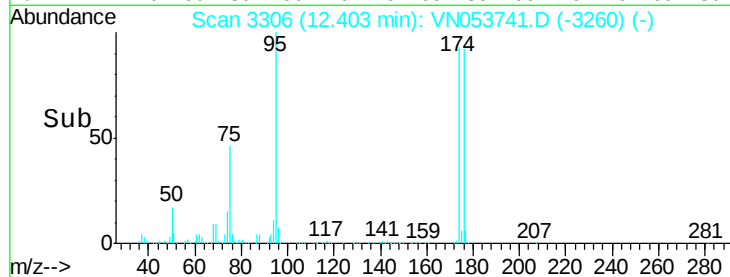
12.40

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.268 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN053741.D

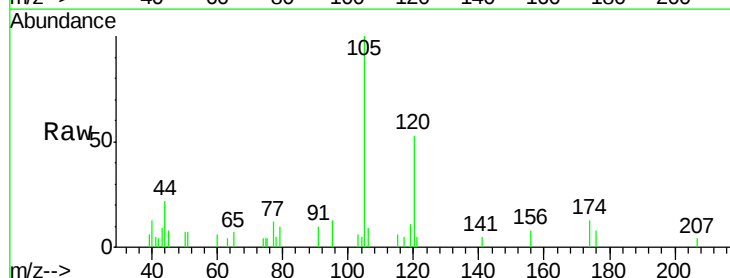
Acq: 12 Feb 2019 20:01

Tgt Ion: 105 Resp: 6898

Ion Ratio Lower Upper

105 100

120 55.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053741.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN053741.D (-3410) (-)

12.74

5000

4000

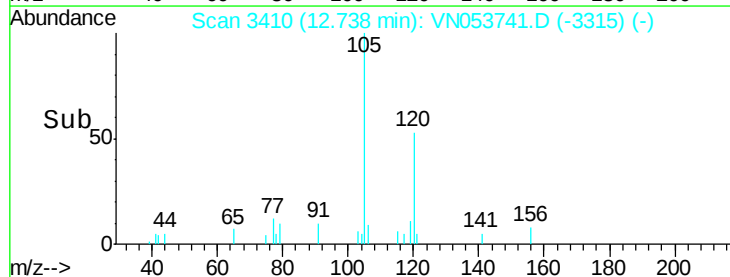
3000

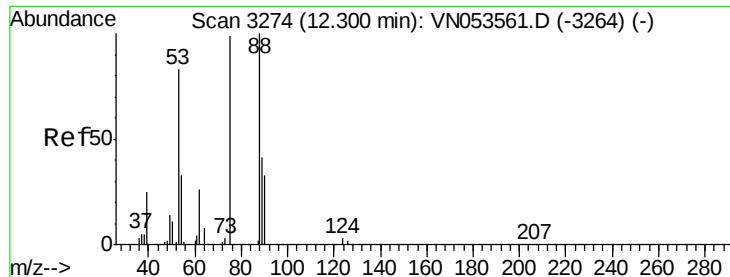
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.207 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

Instrument :

MSVOA_N

ClientSampleId :

TP-3-S

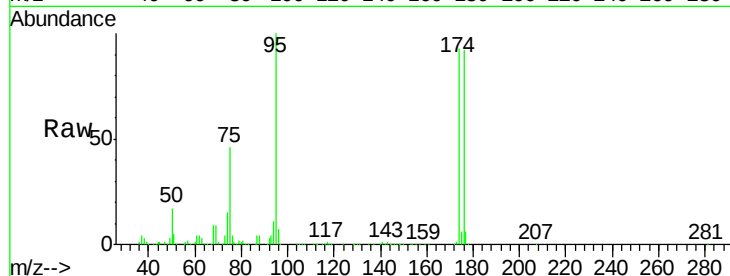
Tot Ion: 75 Resp: 213914

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

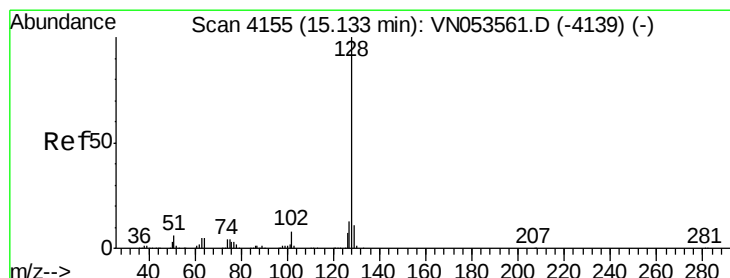
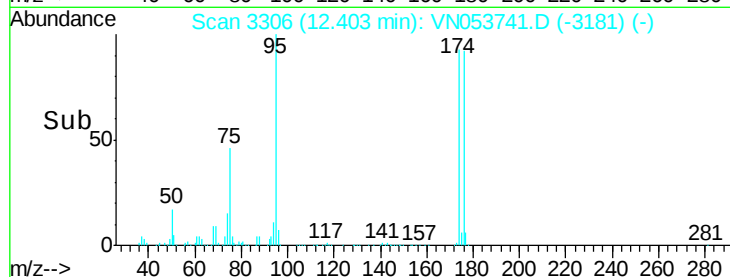
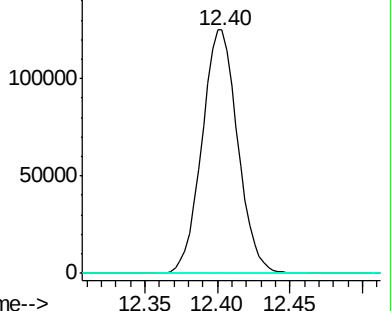
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053741.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN053741.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN053741.D (-3306) (-)



#95

Naphthalene

Concen: 2.081 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053741.D

Acq: 12 Feb 2019 20:01

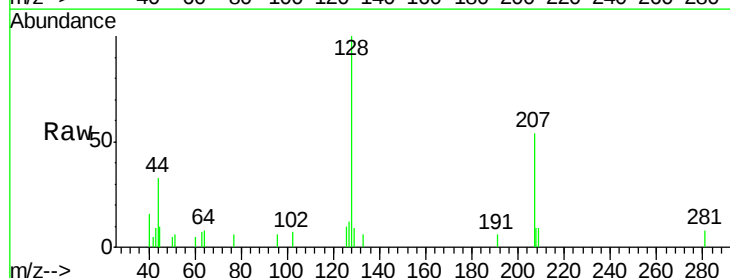
Tgt Ion: 128 Resp: 6920

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 5.7 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN053741.D (-4156) (-)

Ion 127.00 (126.70 to 127.70): VN053741.D (-4156) (-)

Ion 129.00 (128.70 to 129.70): VN053741.D (-4156) (-)

