

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057875.D
 Acq On : 10 Sep 2019 19:58
 Operator : JC/SP
 Sample : K4623-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(0)

Quant Time: Sep 11 03:57:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	292692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	229298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	318953	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	7.58	113	217324	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
50) Toluene-d8	10.08	98	900189	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	288583	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

Target Compounds

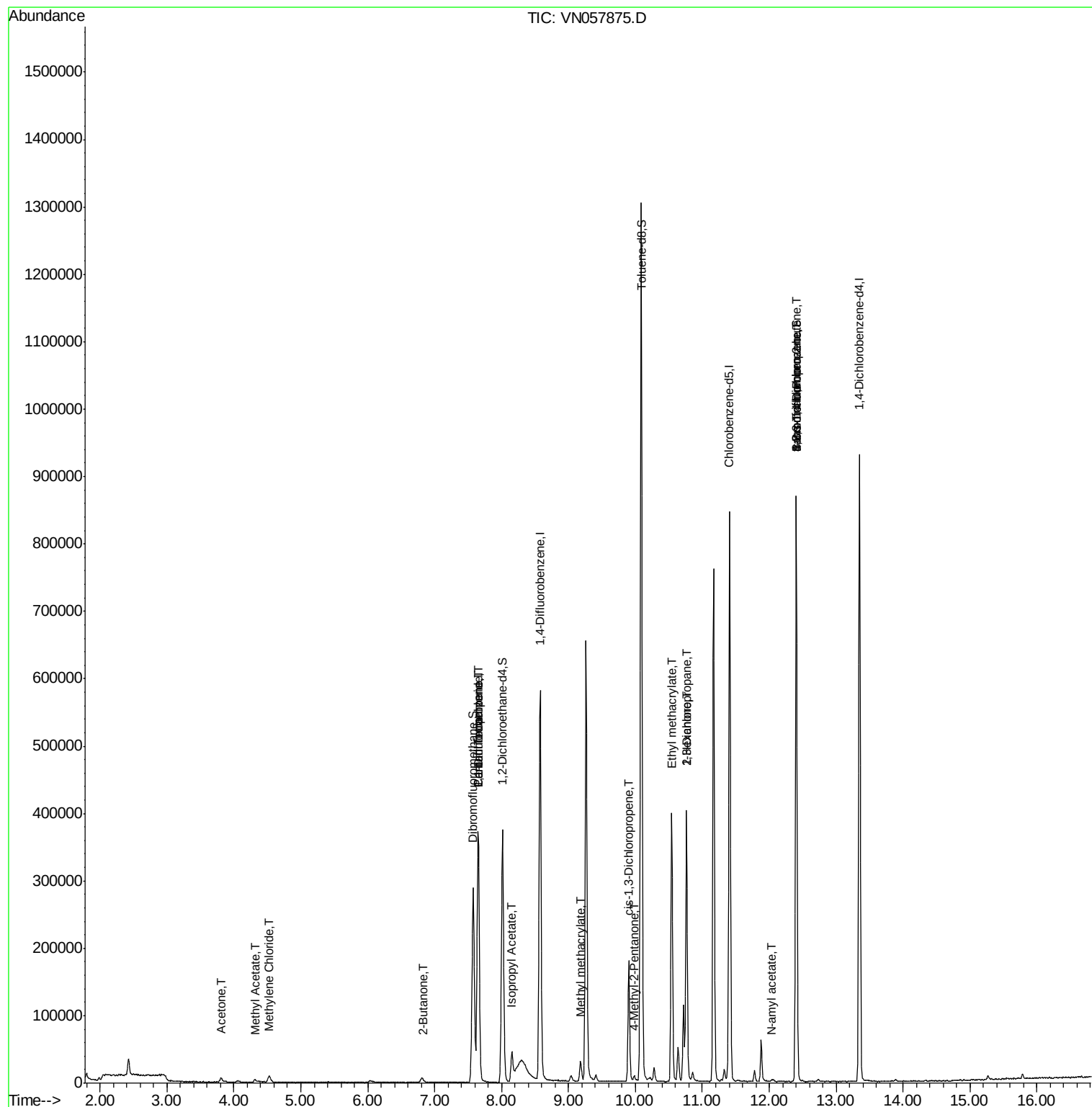
					Qvalue
5) Bromomethane	2.55	94	104	Below Cal	# 2
16) Acetone	3.81	43	11315	5.822	ug/l 98
18) Methyl Acetate	4.32	43	7245	1.398	ug/l # 85
20) Methylene Chloride	4.53	84	6954	0.665	ug/l 92
25) 2-Butanone	6.84	43	976	0.347	ug/l # 49
31) Cyclohexane	7.65	56	7674	Below Cal	# 22
36) 1,1-Dichloropropene	7.65	75	25509	4.454	ug/l # 46
38) Carbon Tetrachloride	7.65	117	30572	5.847	ug/l # 16
43) Isopropyl Acetate	8.16	43	61367	6.167	ug/l # 88
48) Methyl methacrylate	9.18	41	3566	0.706	ug/l # 36
51) 4-Methyl-2-Pentanone	9.98	43	4881	0.829	ug/l # 83
54) cis-1,3-Dichloropropene	9.90	75	29537	4.196	ug/l # 70
56) Ethyl methacrylate	10.54	69	1529	0.221	ug/l # 1
57) 1,3-Dichloropropane	10.76	76	4116	0.519	ug/l # 43
59) 2-Hexanone	10.76	43	61032	13.827	ug/l # 53
71) Bromoform	12.41	173	1472	0.572	ug/l # 1
74) N-amyl acetate	12.04	43	3111	0.402	ug/l # 46
76) 1,2,3-Trichloropropane	12.40	75	157759	30.414	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.40	75	157759	107.026	ug/l # 6
95) Naphthalene	15.13	128	721	Below Cal	# 69

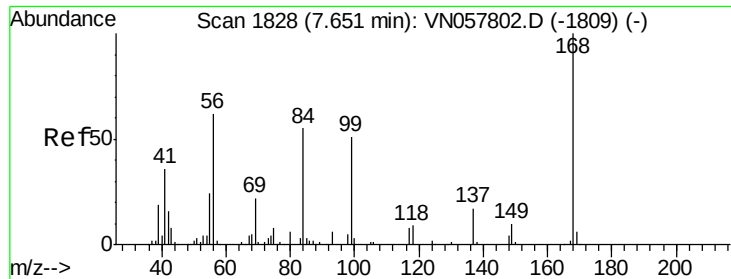
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

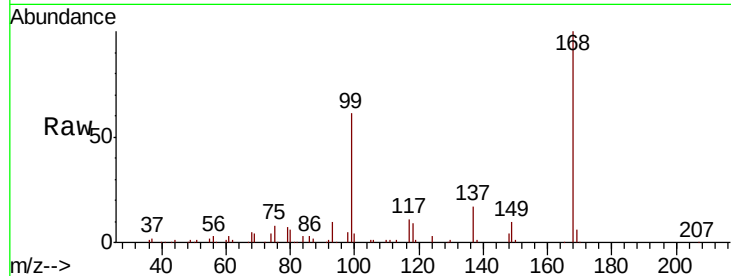
PAR-11-D3-(0)

Tgt Ion: 168 Resp: 292692

Ion Ratio Lower Upper

168 100

99 61.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

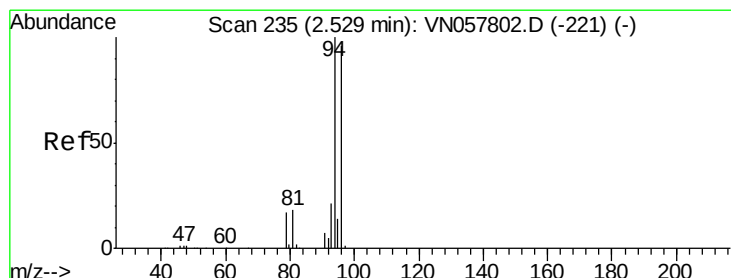
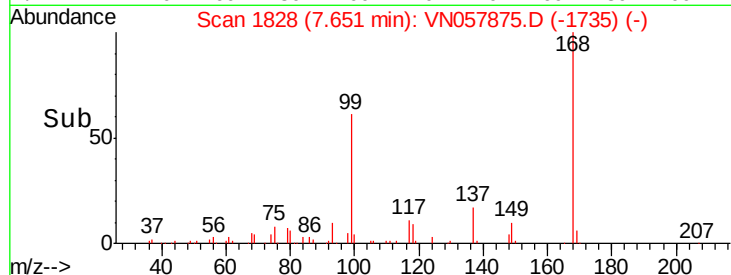
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN057875.D

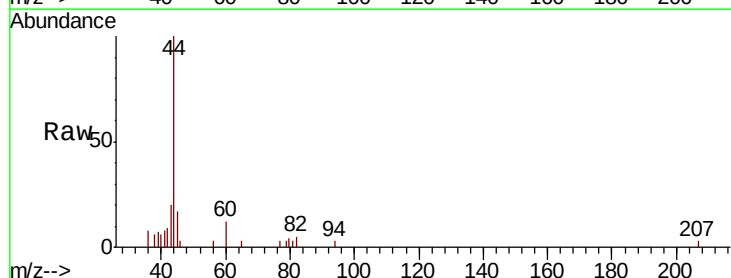
Acq: 10 Sep 2019 19:58

Tgt Ion: 94 Resp: 104

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

200

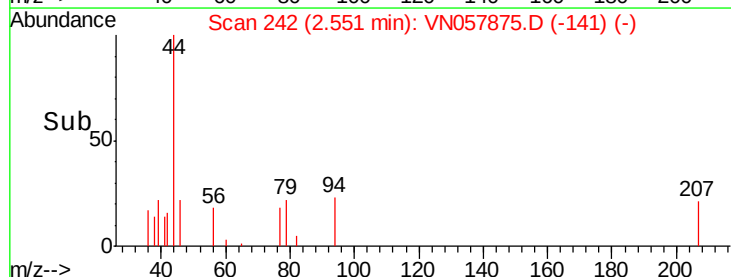
150

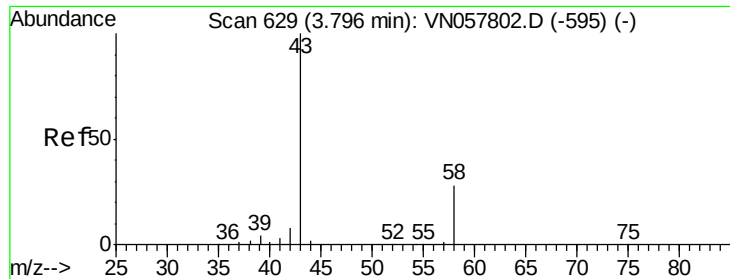
100

50

0

Time-->





#16

Acetone

Concen: 5.822 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

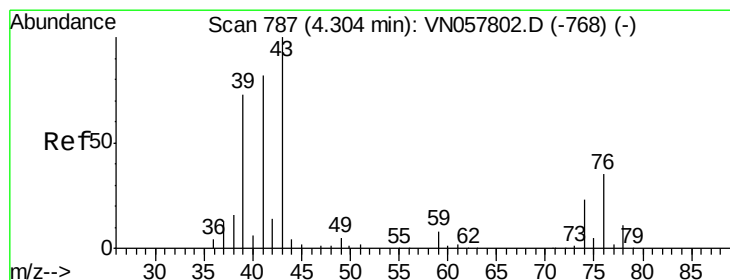
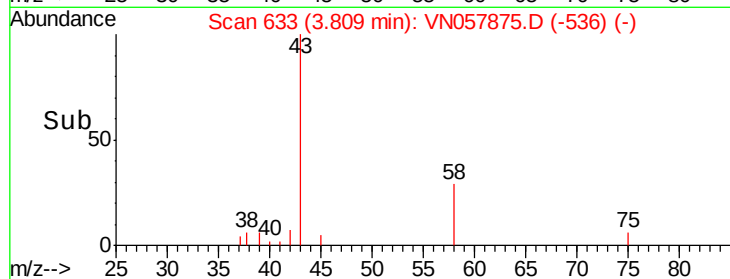
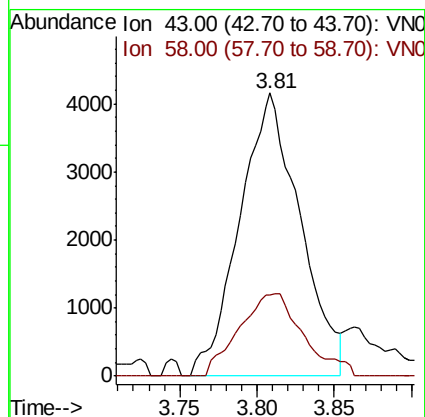
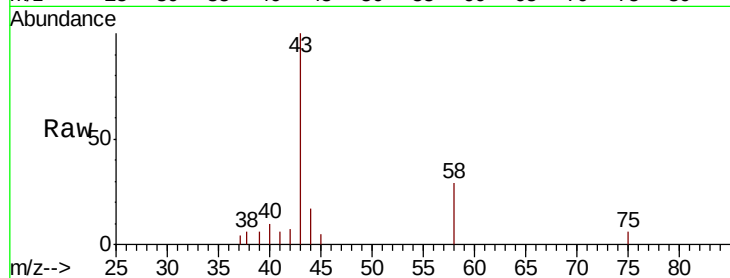
PAR-11-D3-(0)

Tgt Ion: 43 Resp: 11315

Ion Ratio Lower Upper

43 100

58 28.5 22.2 33.2



#18

Methyl Acetate

Concen: 1.398 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057875.D

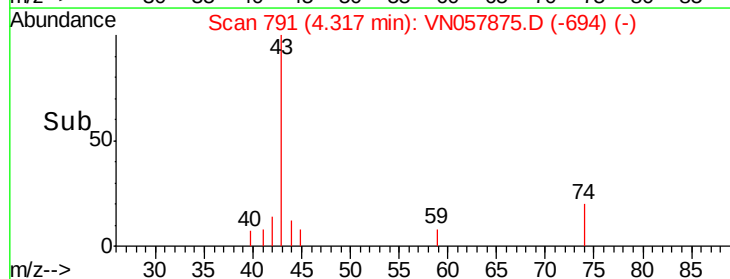
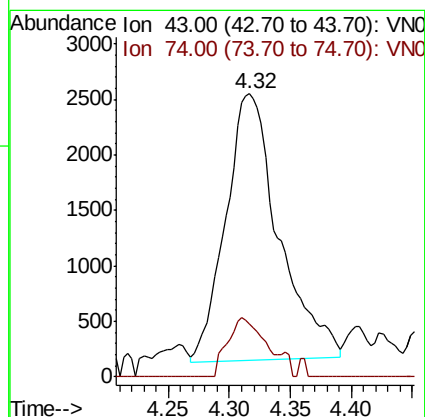
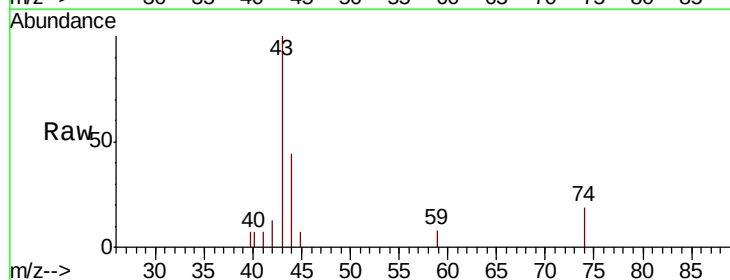
Acq: 10 Sep 2019 19:58

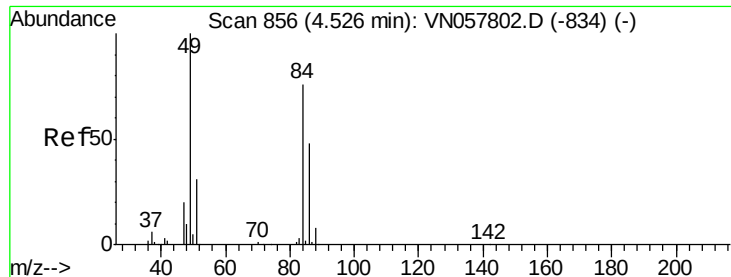
Tgt Ion: 43 Resp: 7245

Ion Ratio Lower Upper

43 100

74 15.2 17.9 26.9#

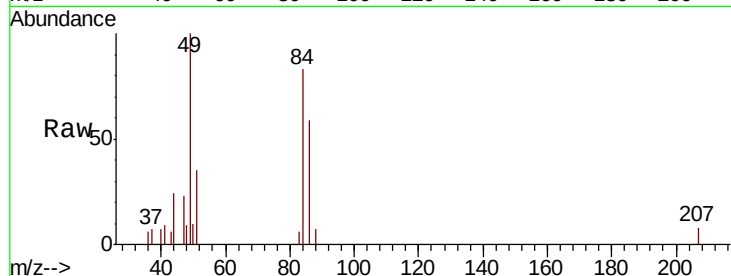




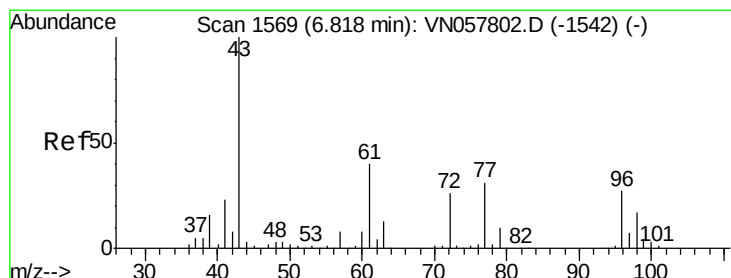
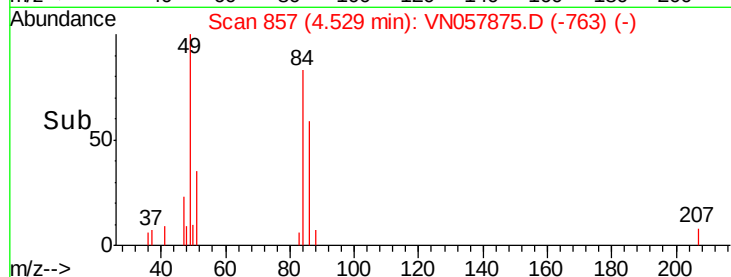
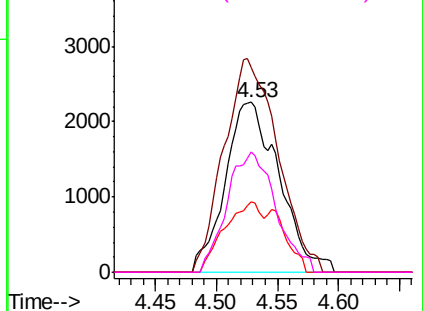
#20
Methylene Chloride
Concen: 0.665 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D3-(0)

Tgt Ion: 84 Resp: 6954
Ion Ratio Lower Upper
84 100
49 120.2 104.8 157.2
51 41.8 33.0 49.4
86 70.4 50.5 75.7

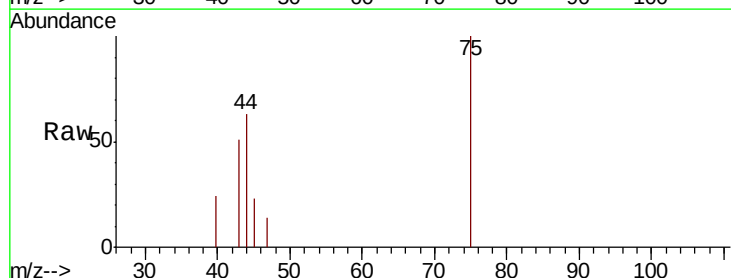


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

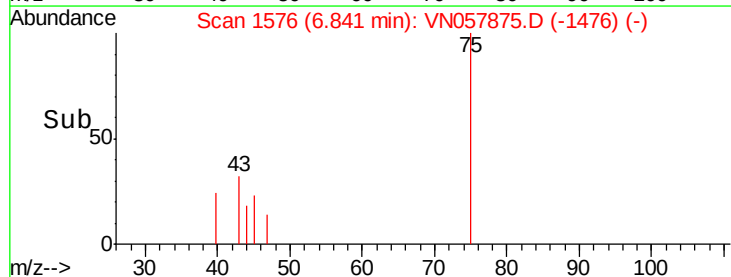
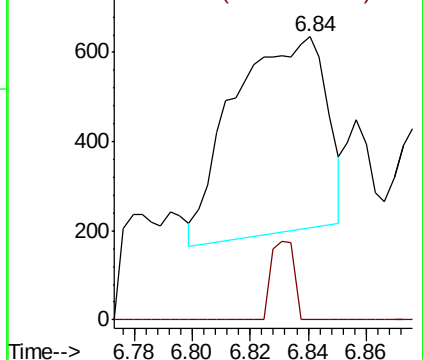


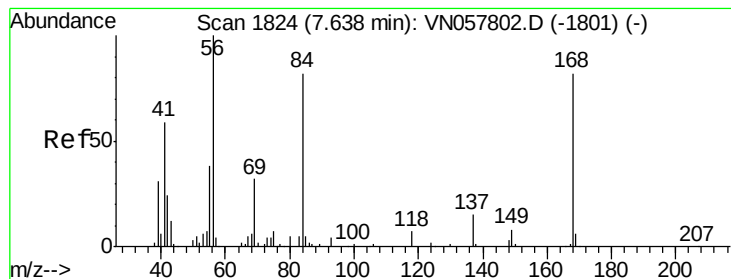
#25
2-Butanone
Concen: 0.347 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(0)

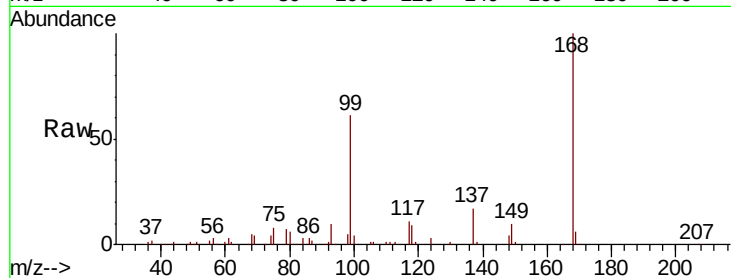
Tgt Ion: 56 Resp: 7674

Ion Ratio Lower Upper

56 100

69 146.5 25.9 38.9#

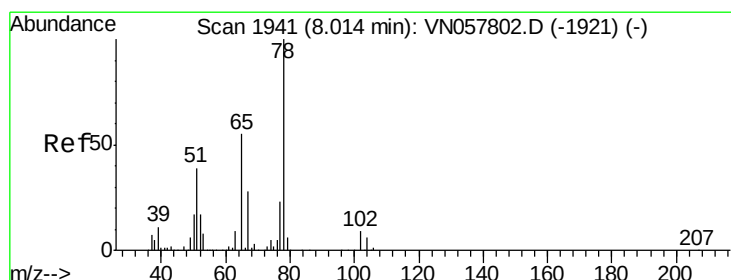
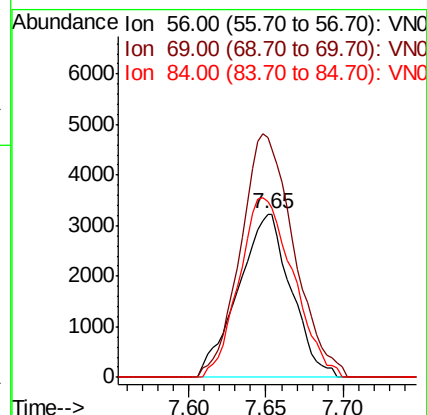
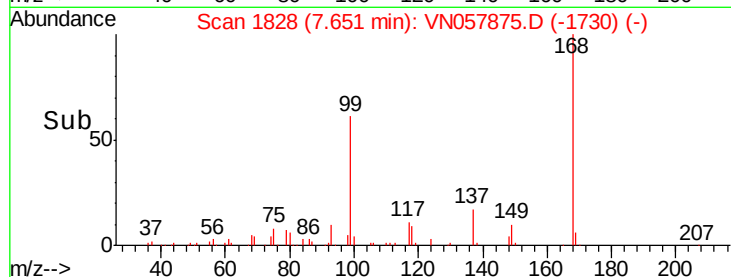
84 107.5 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.802 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057875.D

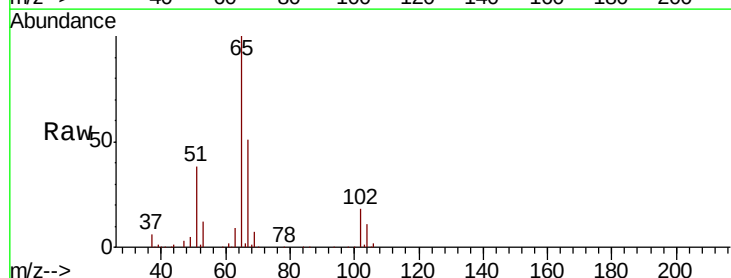
Acq: 10 Sep 2019 19:58

Tgt Ion: 65 Resp: 318953

Ion Ratio Lower Upper

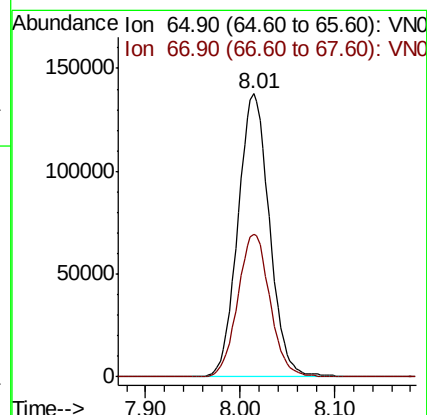
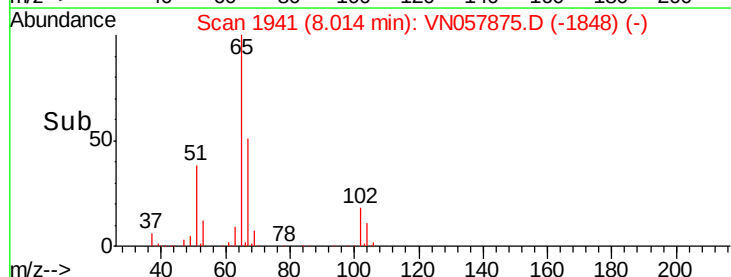
65 100

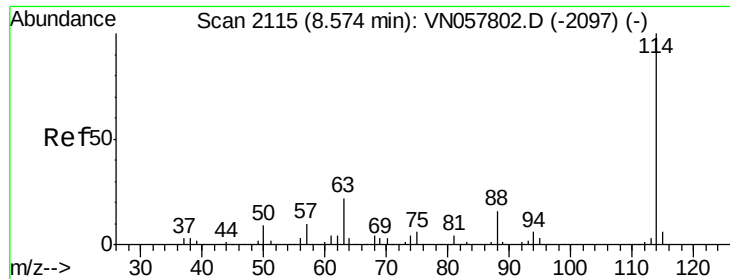
67 51.5 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

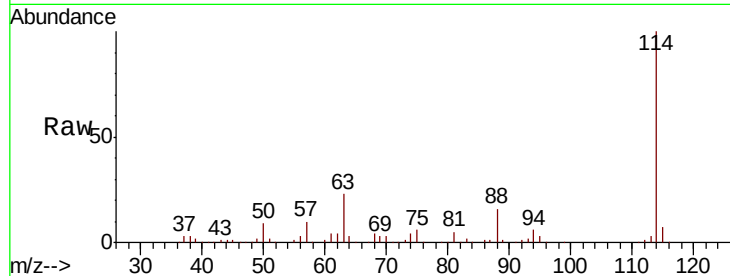




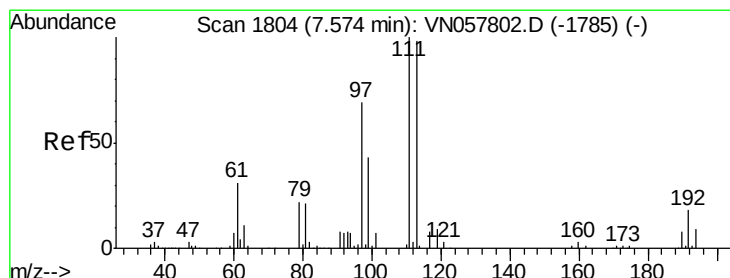
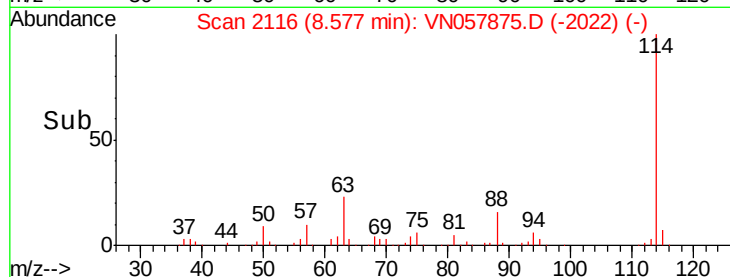
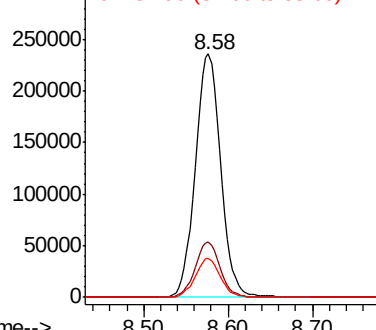
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Instrument :
 MSVOA_N
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 PAR-11-D3-(0)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.0
88	16.1	0.0	31.4

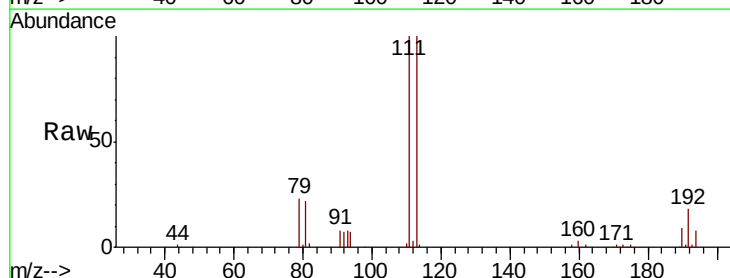


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

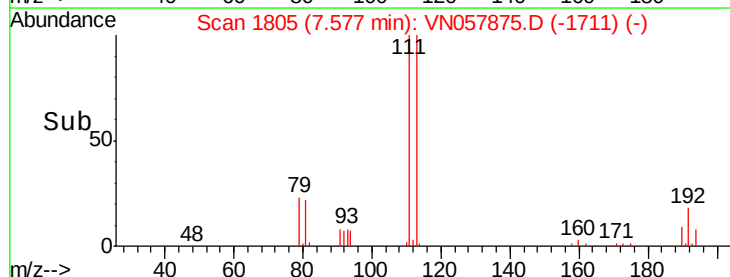
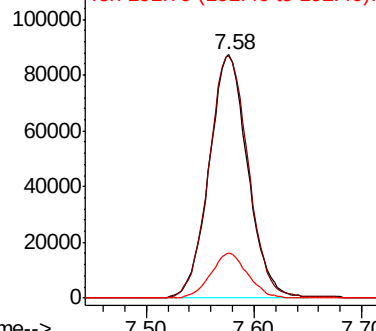


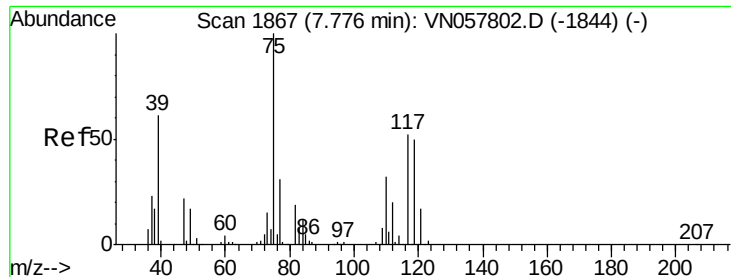
#35
 Dibromofluoromethane
 Concen: 47.679 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	17.8	14.6	22.0



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

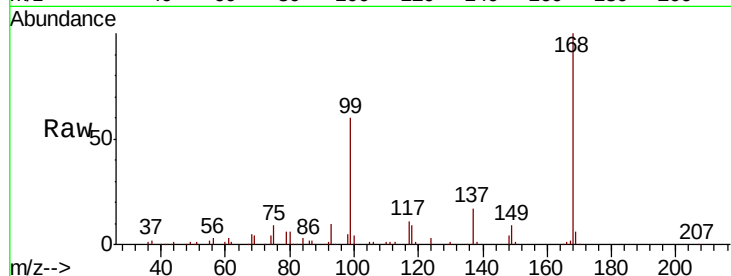




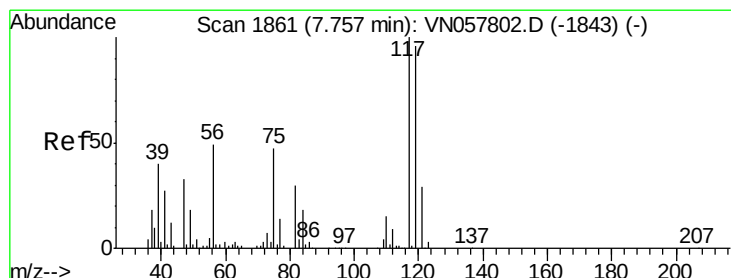
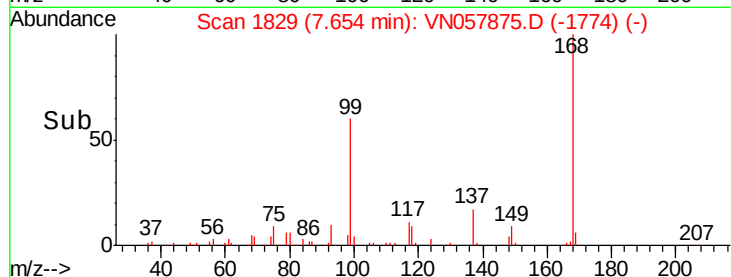
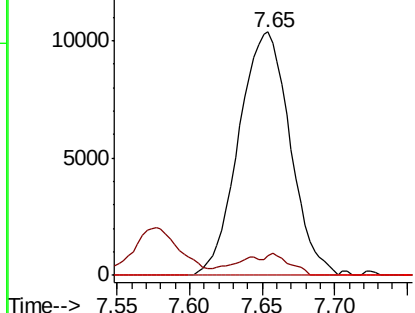
#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Instrument :
 MSVOA_N
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 PAR-11-D3-(0)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.0	16.3	48.9#
77	0.0	25.0	37.4#

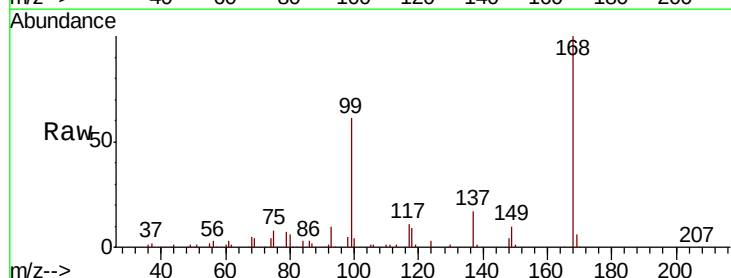


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

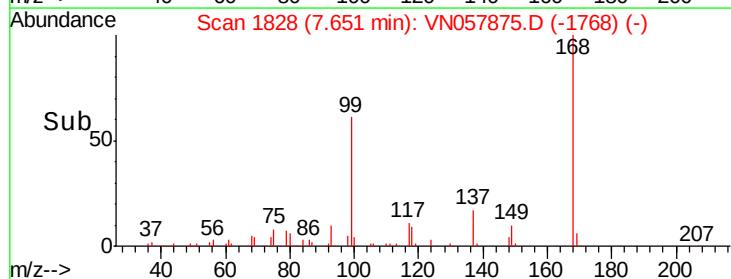
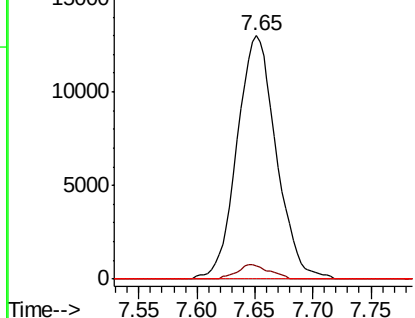


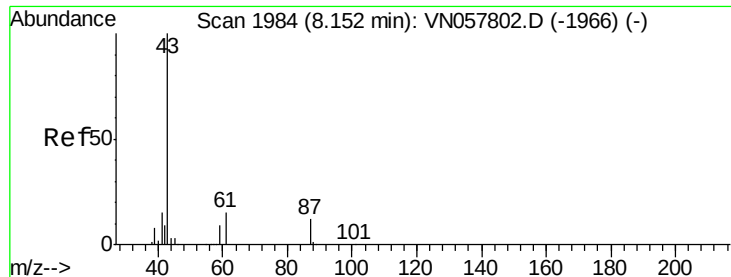
#38
 Carbon Tetrachloride
 Concen: 5.847 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.9	115.3#
121	0.0	23.4	35.2#



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

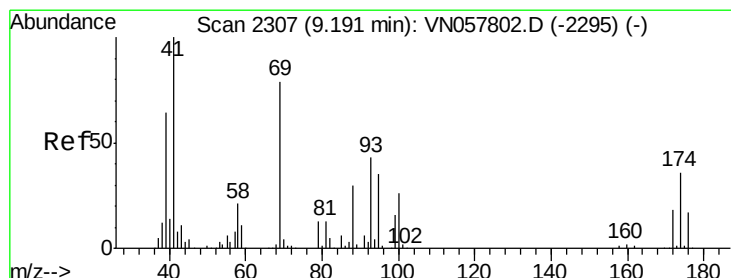
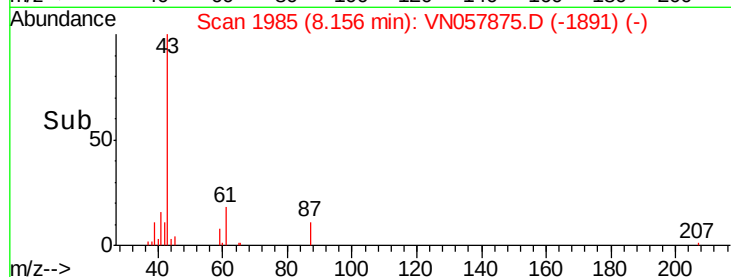
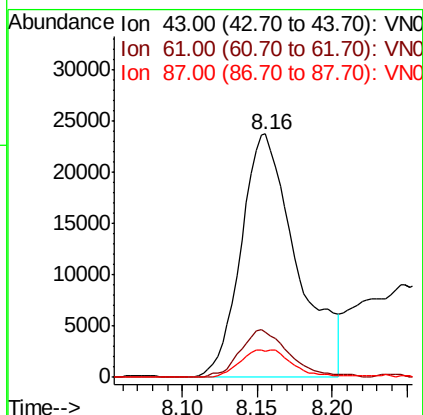
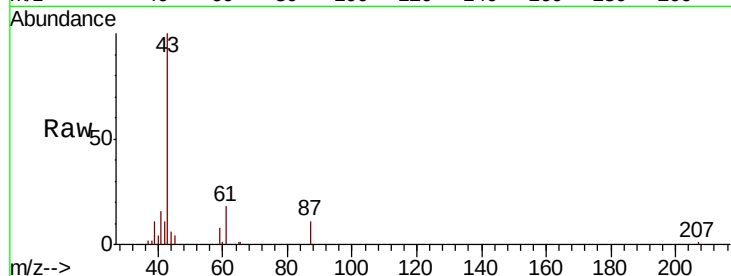




#43
Isopropyl Acetate
Concen: 6.167 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

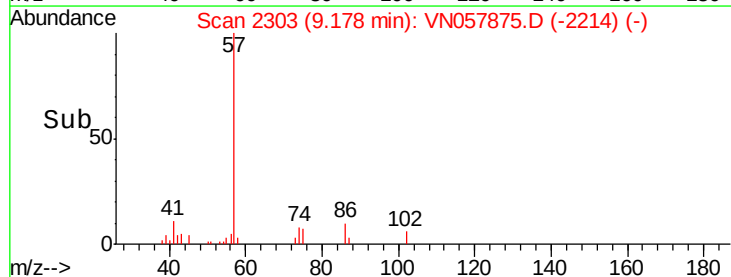
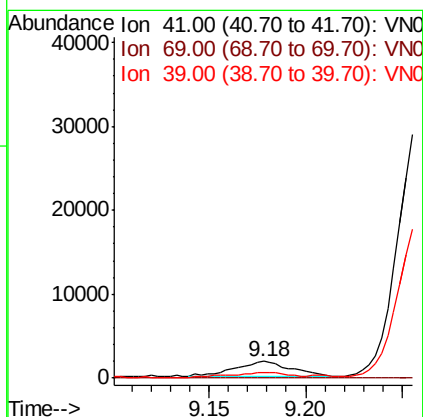
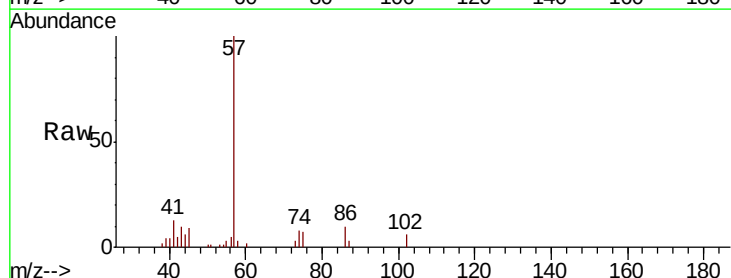
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D3-(0)

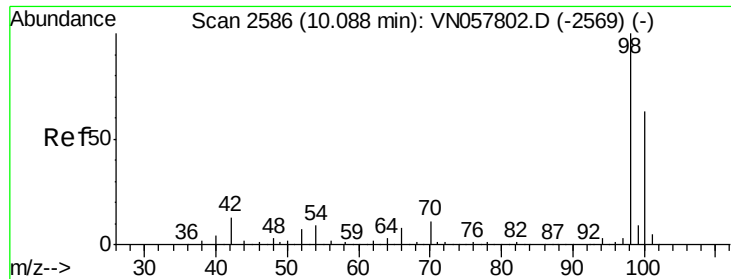
Tgt Ion: 43 Resp: 61367
Ion Ratio Lower Upper
43 100
61 16.9 20.1 30.1#
87 10.7 9.5 14.3



#48
Methyl methacrylate
Concen: 0.706 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

Tgt Ion: 41 Resp: 3566
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 39.0 52.7 79.1#





#50

Toluene-d8

Concen: 50.867 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

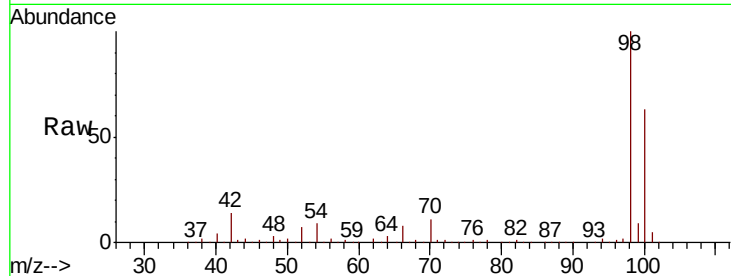
PAR-11-D3-(0)

Tgt Ion: 98 Resp: 900189

Ion Ratio Lower Upper

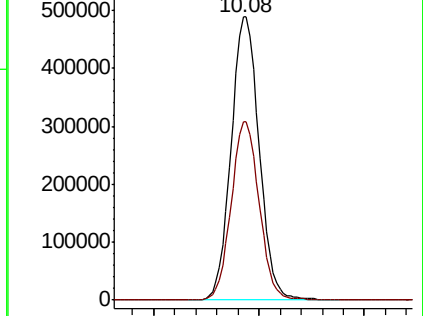
98 100

100 62.7 50.3 75.5

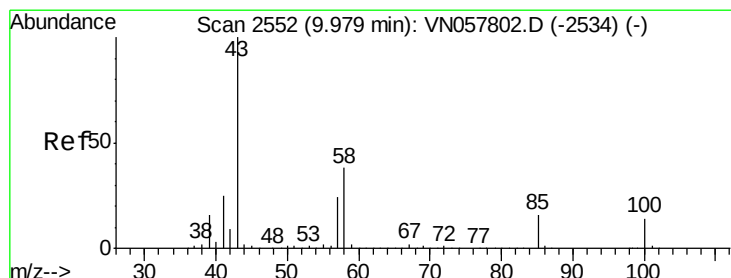
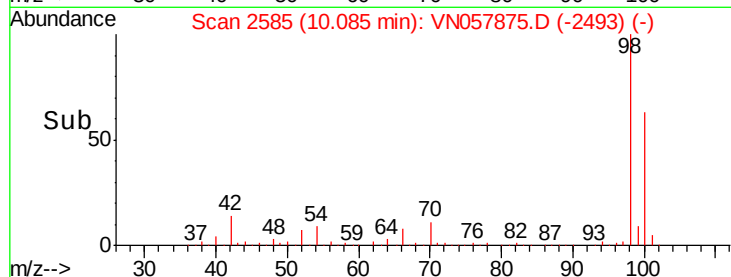


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.829 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057875.D

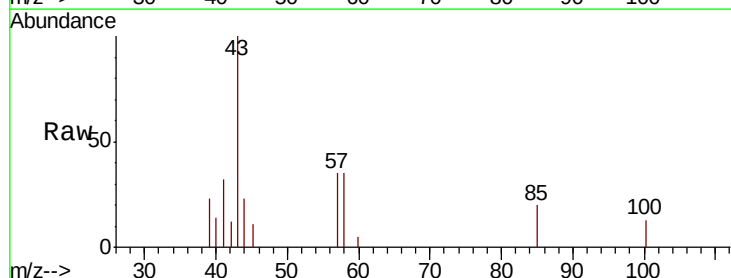
Acq: 10 Sep 2019 19:58

Tgt Ion: 43 Resp: 4881

Ion Ratio Lower Upper

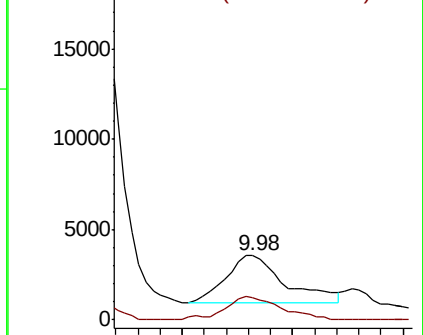
43 100

58 47.4 29.8 44.6#

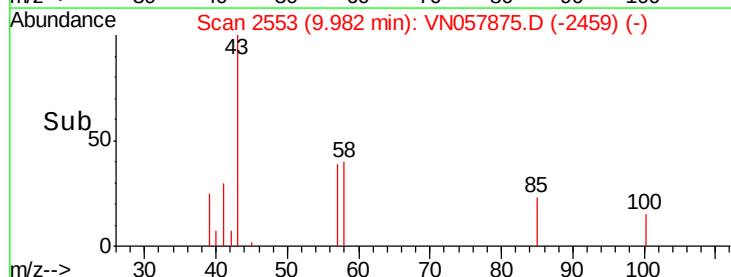


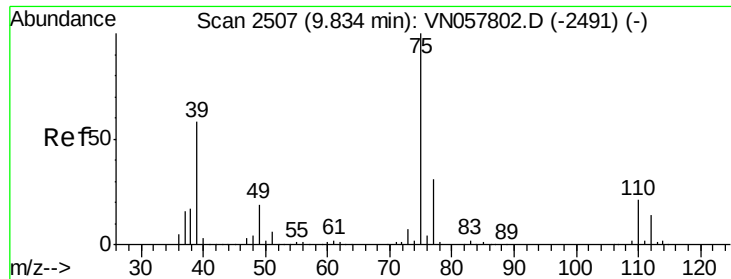
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



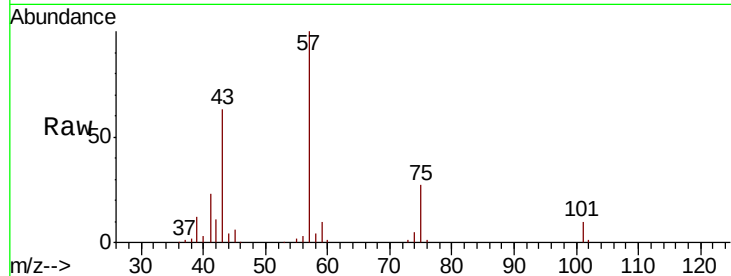


#54

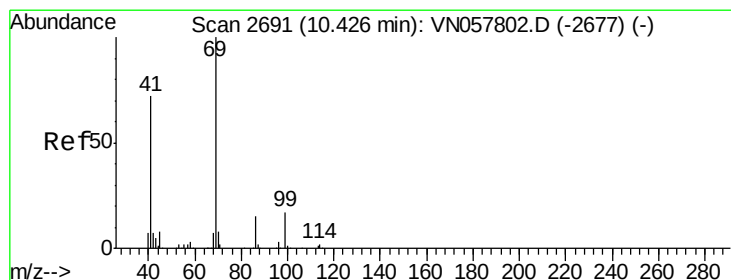
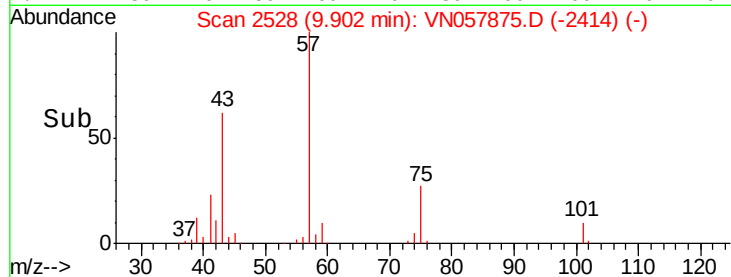
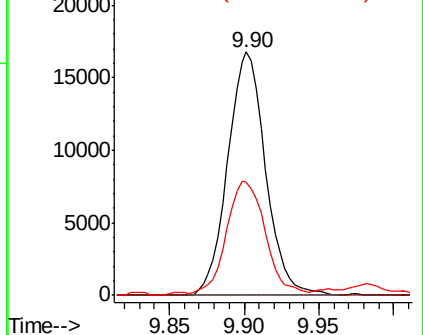
cis-1,3-Dichloropropene
 Concen: 4.196 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(0)

Tgt Ion: 75 Resp: 29537
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 45.8 46.2 69.4#



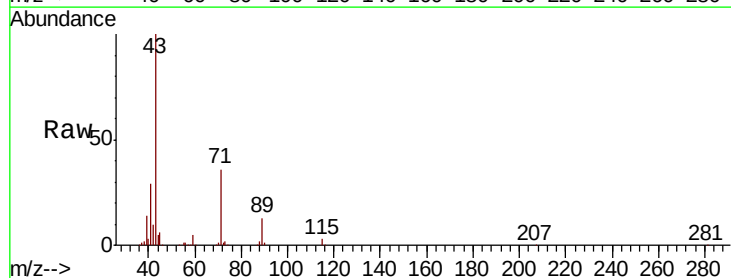
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



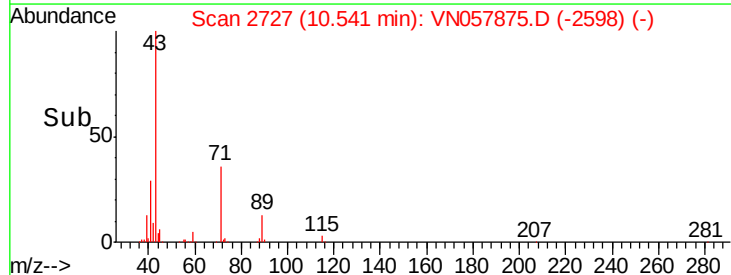
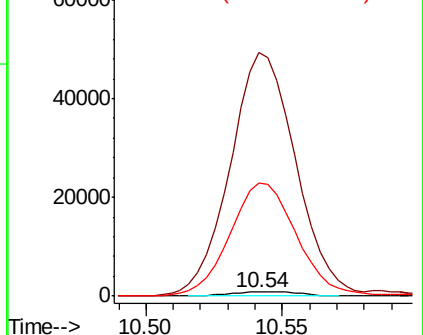
#56

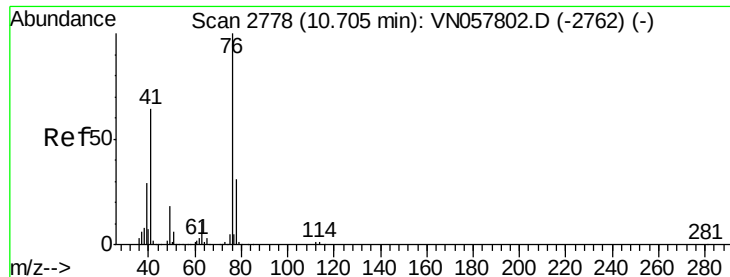
Ethyl methacrylate
 Concen: 0.221 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Tgt Ion: 69 Resp: 1529
 Ion Ratio Lower Upper
 69 100
 41 5476.1 56.7 85.1#
 39 2566.3 36.3 54.5#



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

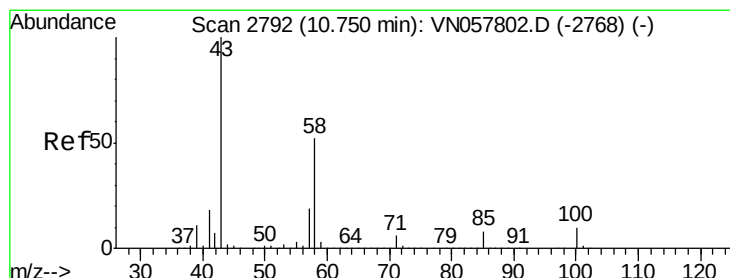
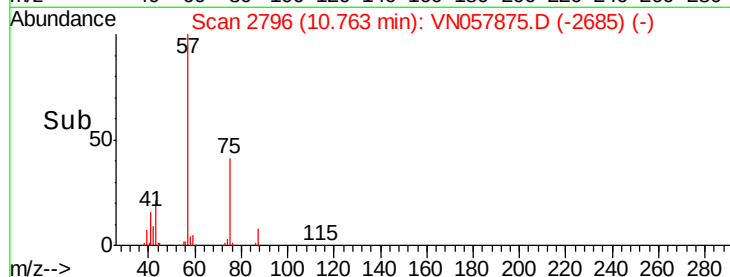
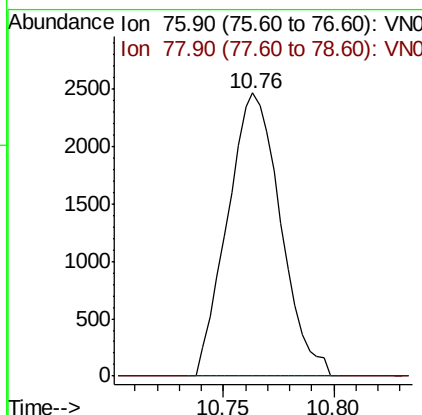
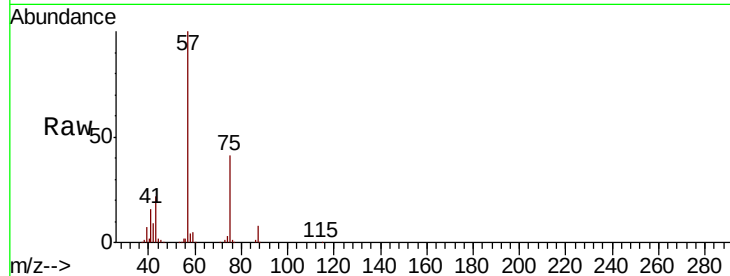




#57
 1,3-Dichloropropane
 Concen: 0.519 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

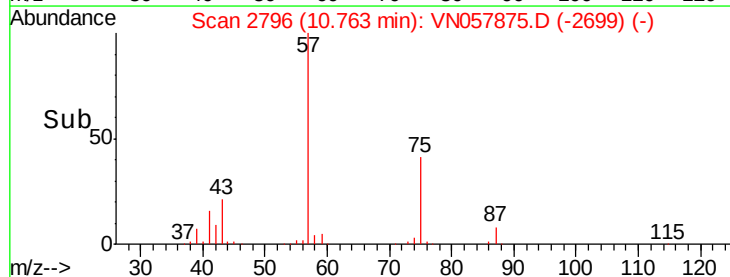
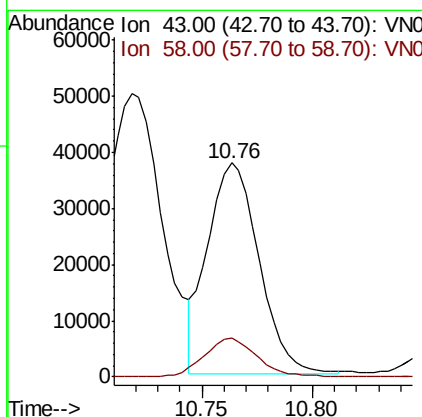
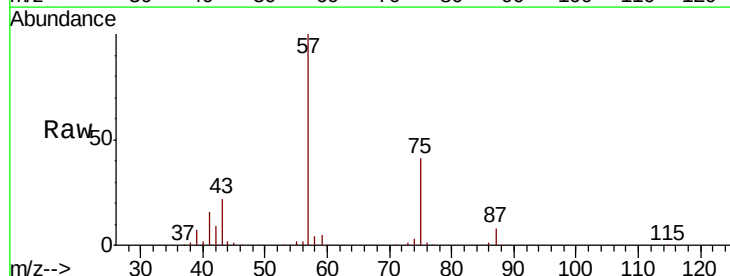
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(0)

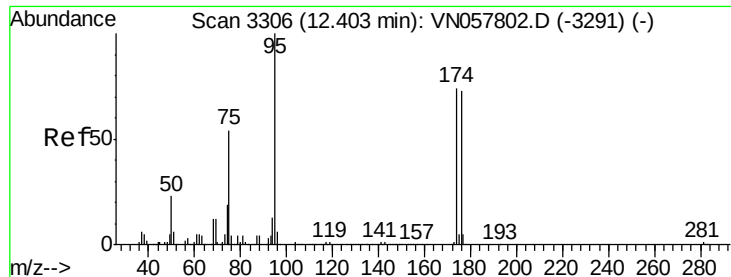
Tgt Ion: 76 Resp: 4116
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 13.827 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057875.D
 Acq: 10 Sep 2019 19:58

Tgt Ion: 43 Resp: 61032
 Ion Ratio Lower Upper
 43 100
 58 18.8 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 42.791 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(0)

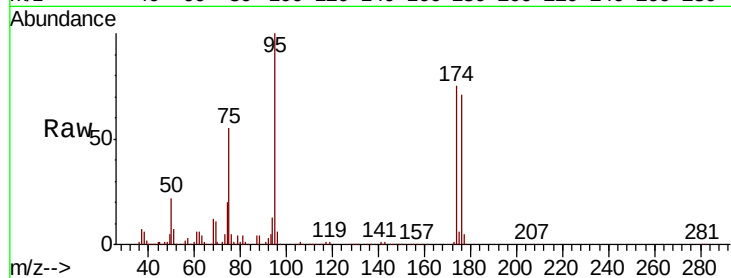
Tgt Ion: 95 Resp: 288583

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 72.3 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

200000

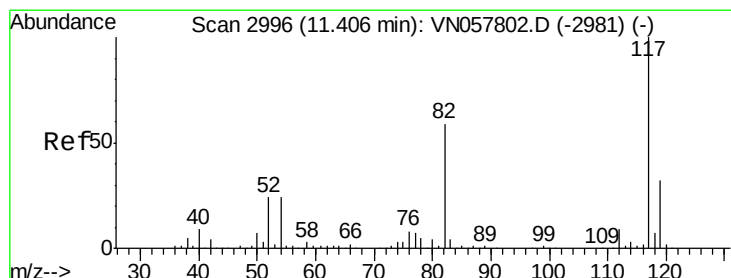
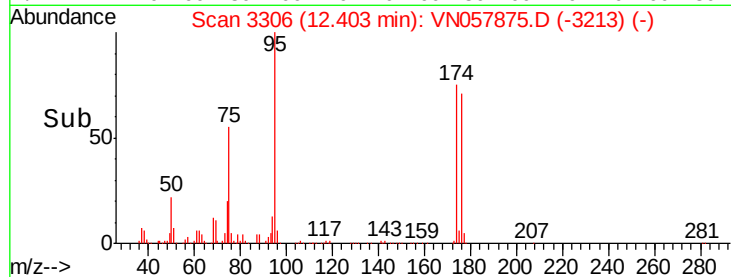
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

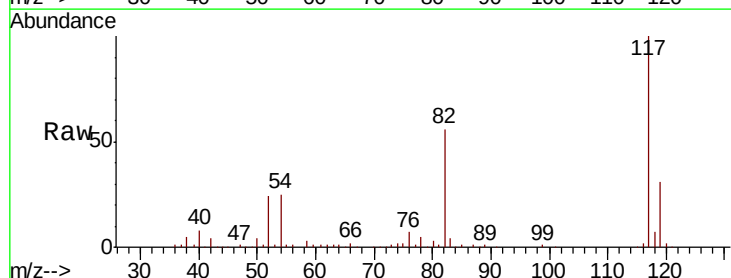
Tgt Ion: 117 Resp: 454424

Ion Ratio Lower Upper

117 100

82 56.3 47.2 70.8

119 31.4 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)

11.41

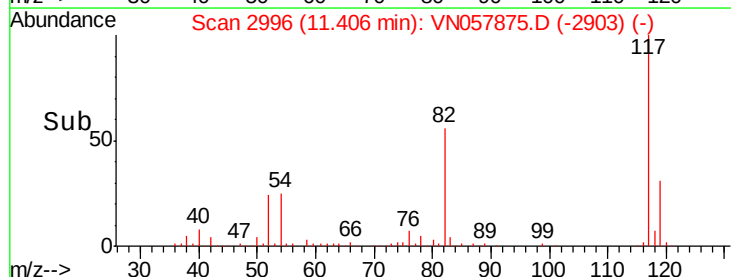
300000

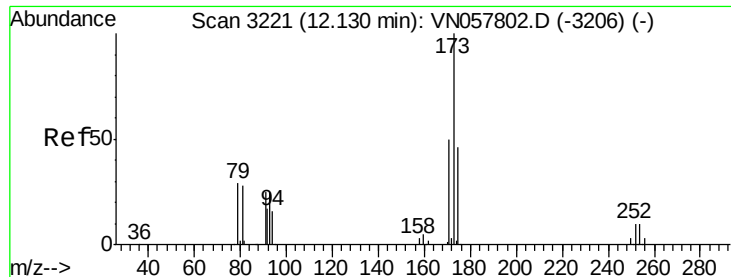
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(0)

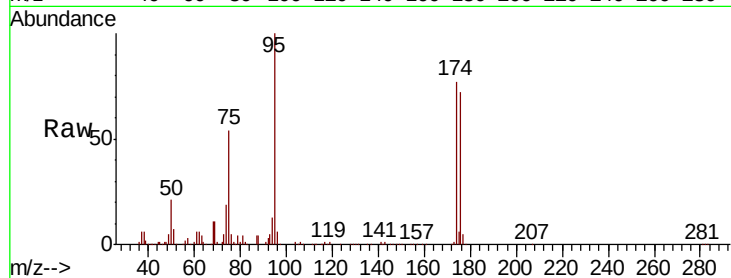
Tgt Ion:173 Resp: 1472

Ion Ratio Lower Upper

173 100

175 968.8 23.5 70.6#

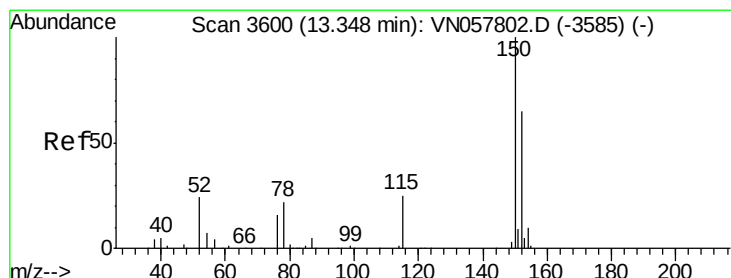
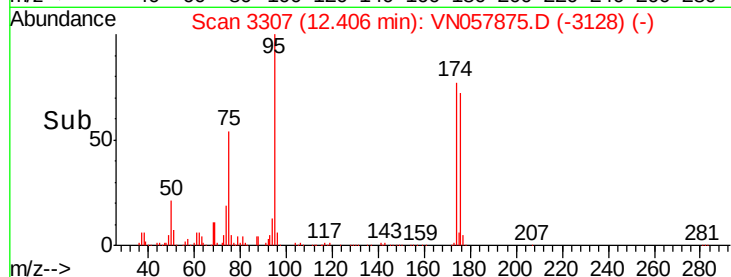
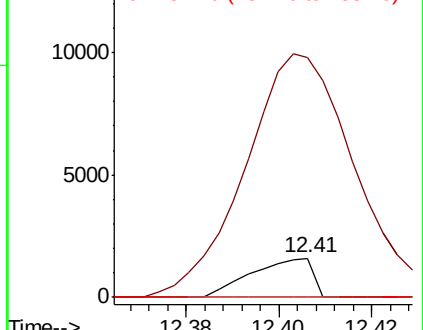
254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

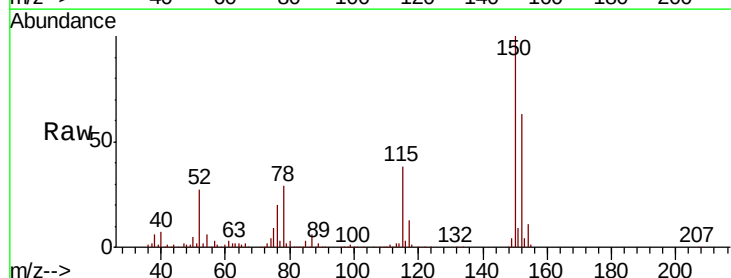
Tgt Ion:152 Resp: 229298

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

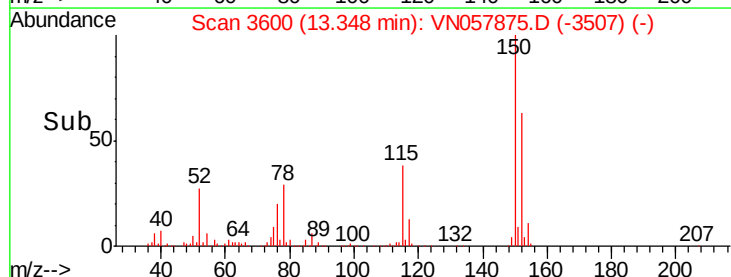
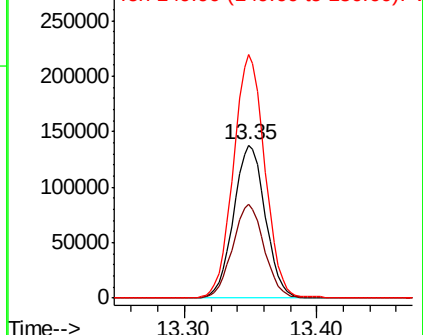
150 157.7 0.0 352.4

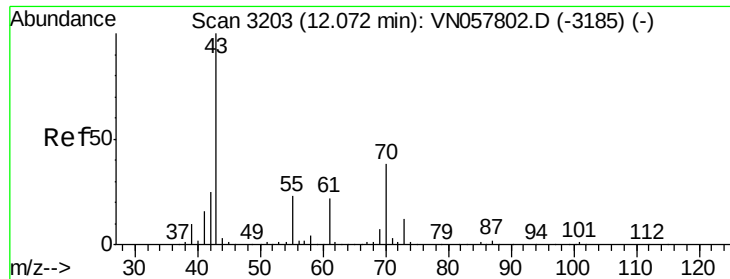


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.402 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN057875.D

Acq: 10 Sep 2019 19:58

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D3-(0)

Tgt Ion: 43 Resp: 3111

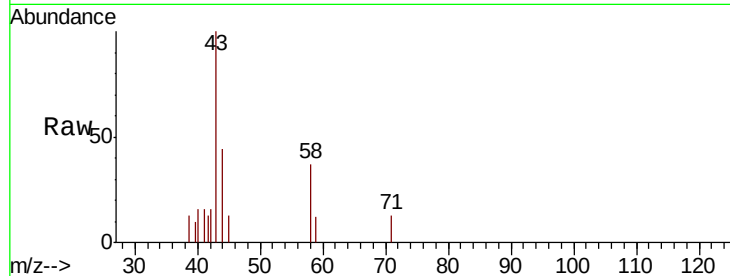
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 1.0 18.6 27.8#

61 0.0 17.4 26.2#

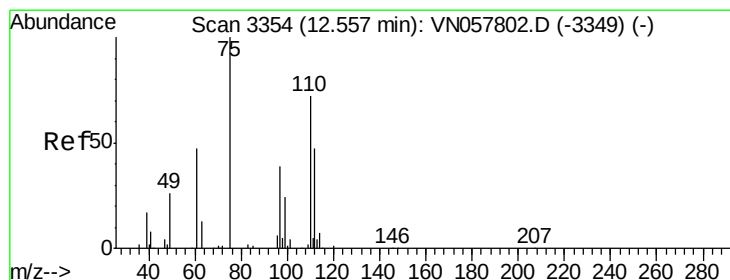
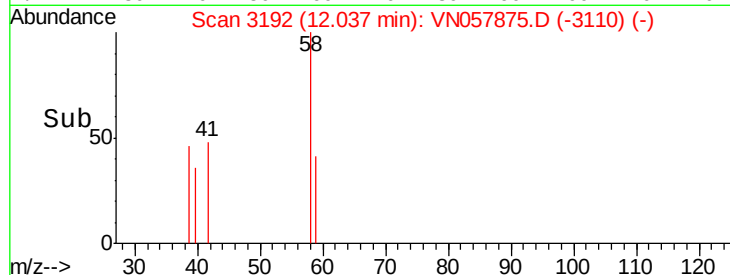
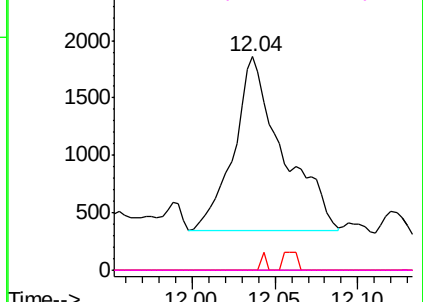


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.414 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057875.D

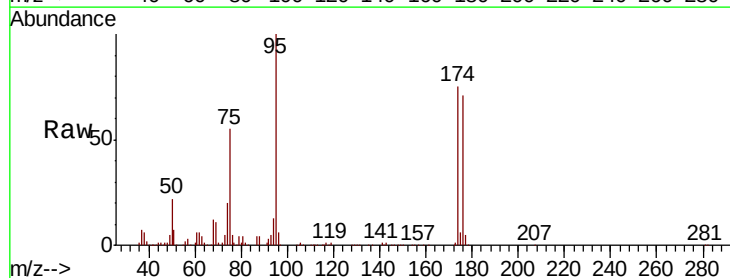
Acq: 10 Sep 2019 19:58

Tgt Ion: 75 Resp: 157759

Ion Ratio Lower Upper

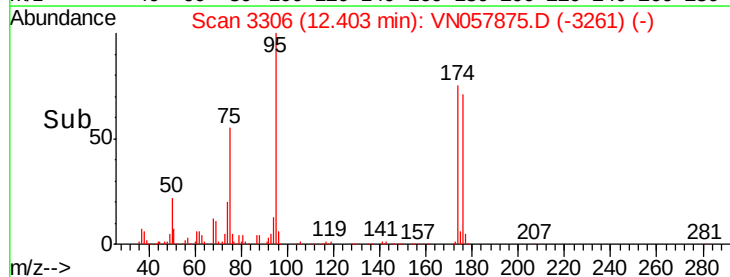
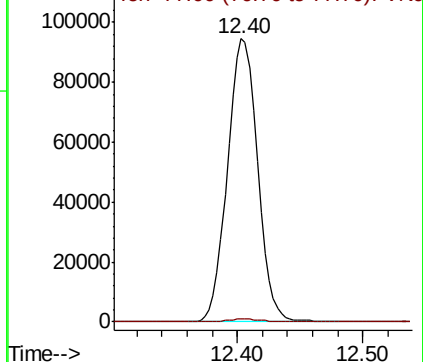
75 100

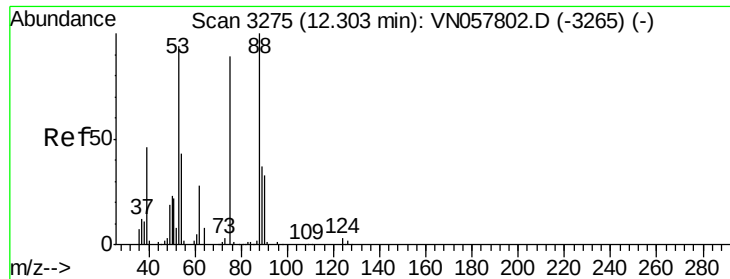
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

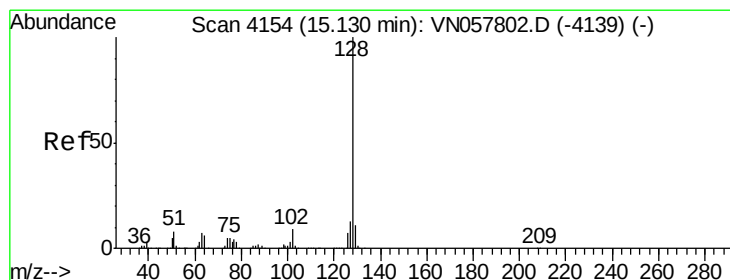
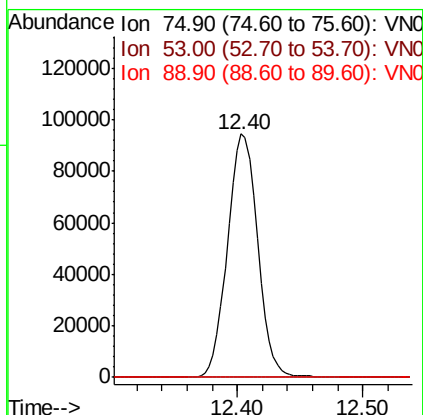
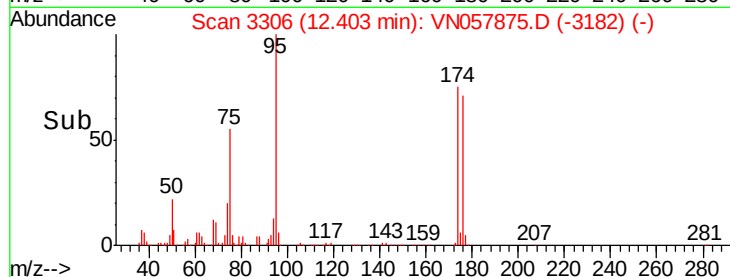
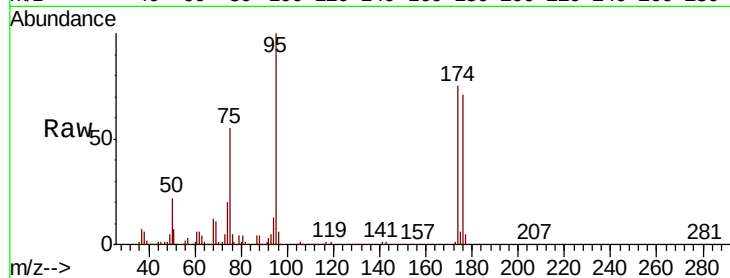




#81
trans-1,4-Dichloro-2-butene
Concen: 107.026 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

Instrument :
MSVOA_N
ClientSampled :
PAR-11-D3-(0)

Tgt Ion: 75 Resp: 157759
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057875.D
Acq: 10 Sep 2019 19:58

Tgt Ion: 128 Resp: 721
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

