

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064901.D
 Acq On : 3 Dec 2020 16:14
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.01µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 16827DL

Quant Time: Dec 04 03:00:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	179209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	321197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107230	51.47	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.94%
35) Dibromofluoromethane	7.55	113	99577	51.81	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.62%
50) Toluene-d8	10.06	98	395943	50.42	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.84%
62) 4-Bromofluorobenzene	12.38	95	157156	55.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.84%

Target Compounds

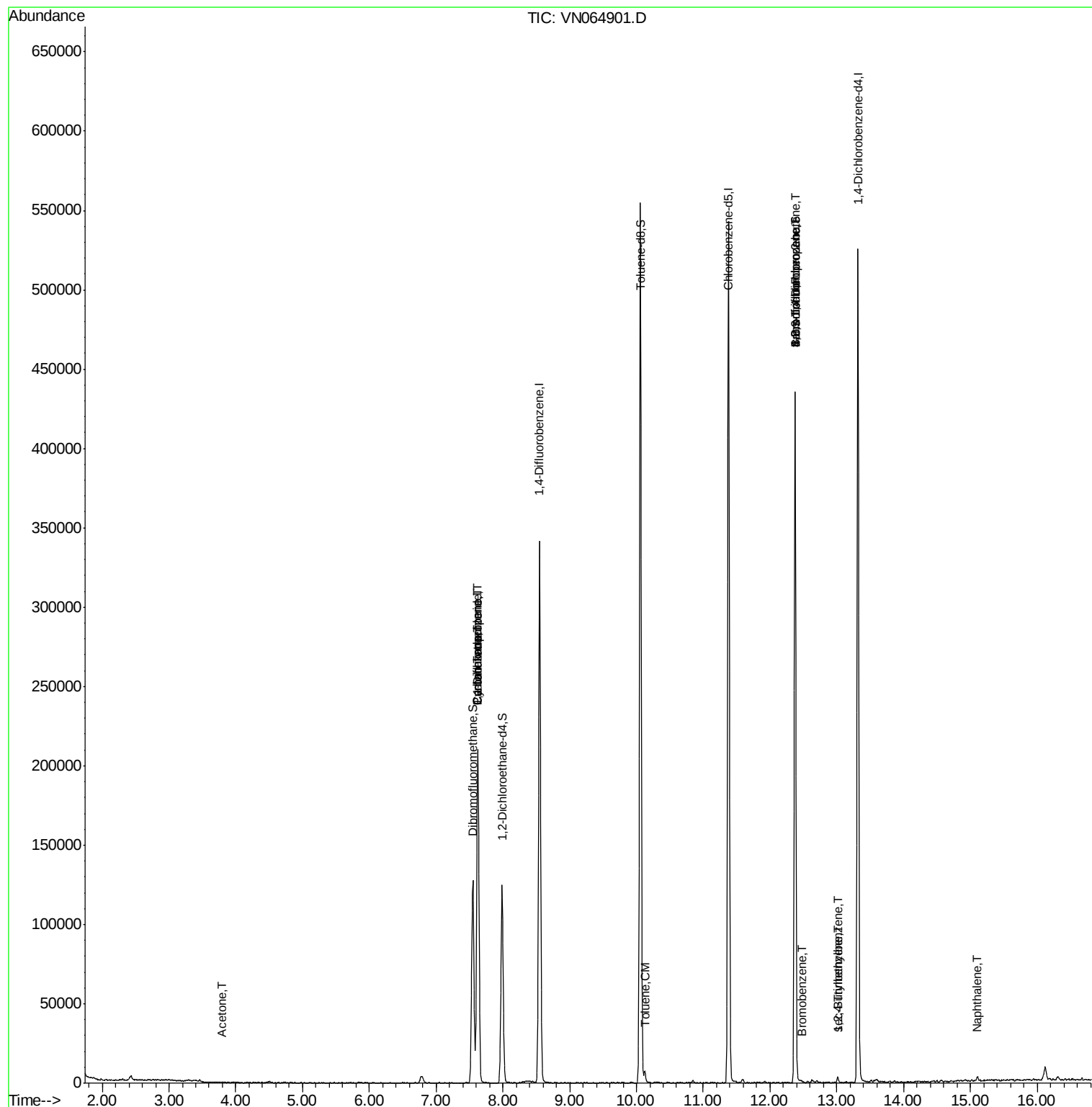
					Qvalue	
16) Acetone	3.78	43	417	0.609	ug/l #	43
31) Cyclohexane	7.62	56	3247	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11666	3.918	ug/l #	47
38) Carbon Tetrachloride	7.62	117	17293	5.582	ug/l #	17
52) Toluene	10.12	92	3184	0.567	ug/l	99
71) Bromoform	12.37	173	899	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	75471	23.616	ug/l #	100
77) Bromobenzene	12.48	156	1184	0.425	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.37	75	75471	64.726	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	2669	0.308	ug/l	92
85) sec-Butylbenzene	13.01	105	2669	0.280	ug/l #	56
95) Naphthalene	15.11	128	3606	0.401	ug/l #	90

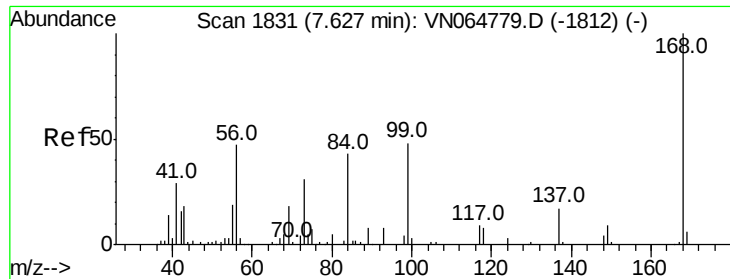
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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16827DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

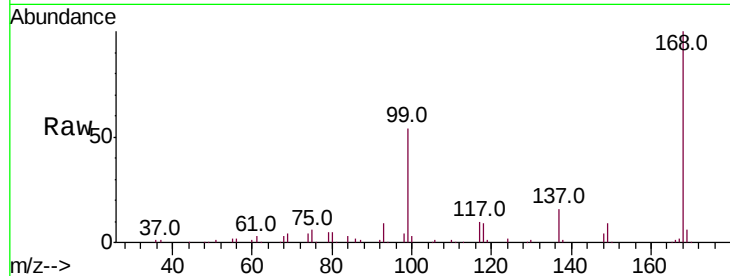
16827DL

Tot Ion:168 Resp: 179209

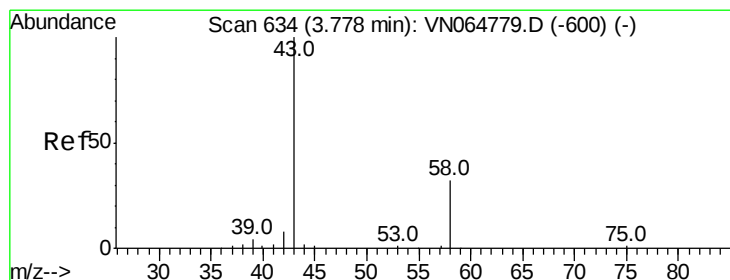
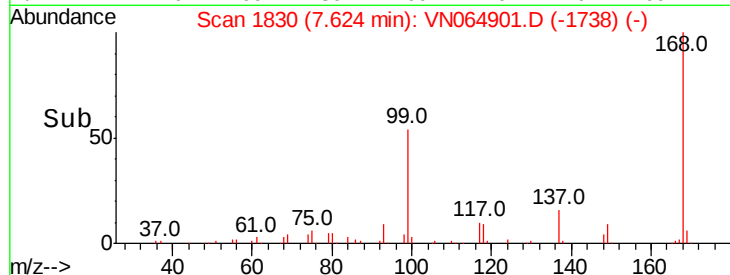
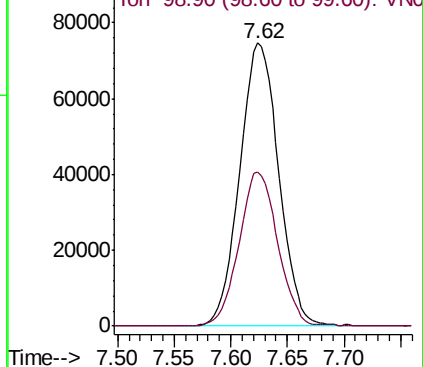
Ion Ratio Lower Upper

168 100

99 54.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064901.D (-1738) (-)



#16

Acetone

Concen: 0.609 ug/l

RT: 3.78 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN064901.D

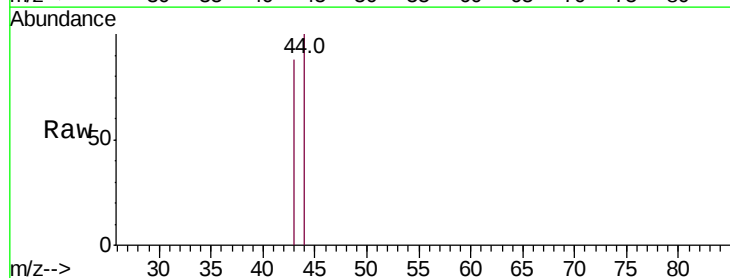
Acq: 3 Dec 2020 16:14

Tgt Ion: 43 Resp: 417

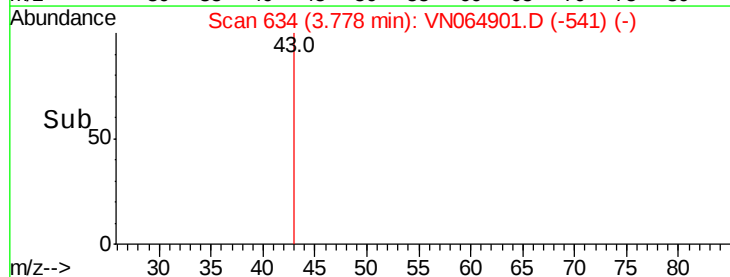
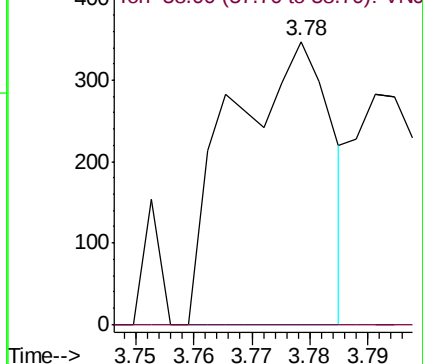
Ion Ratio Lower Upper

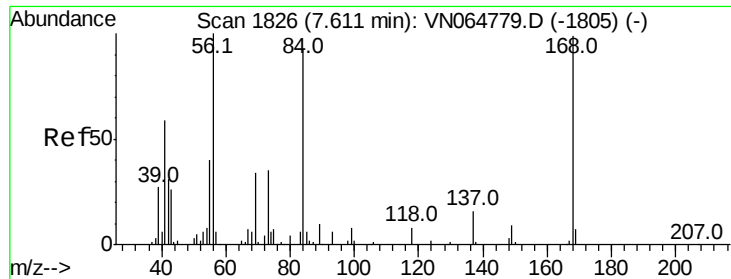
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN064901.D (-541) (-)

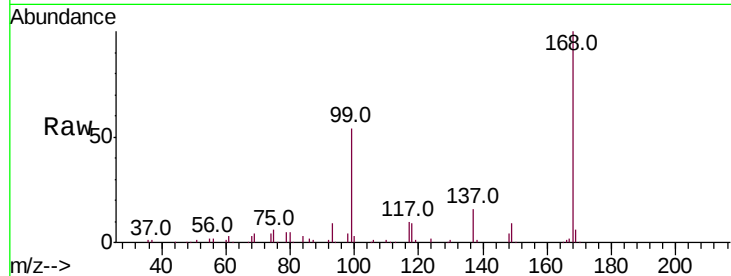




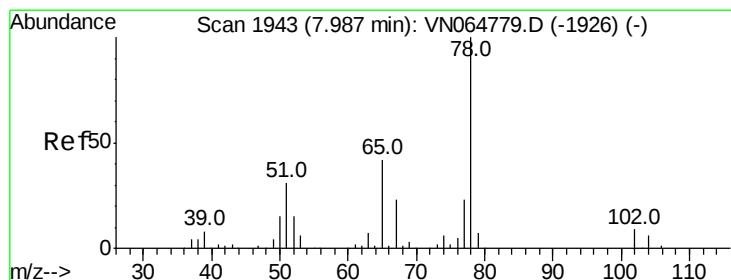
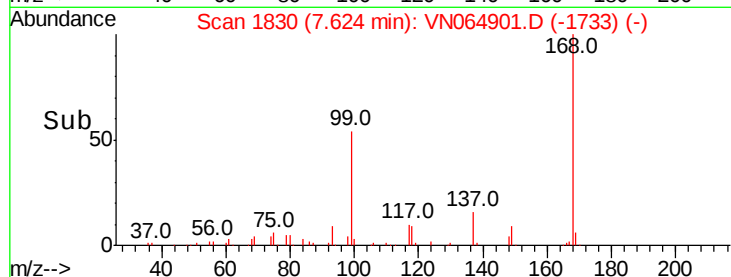
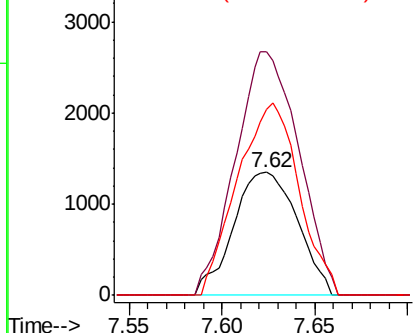
#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleID :
16827DL

Tot Ion: 56 Resp: 3247
Ion Ratio Lower Upper
56 100
69 197.6 27.5 41.3#
84 150.9 73.9 110.9#

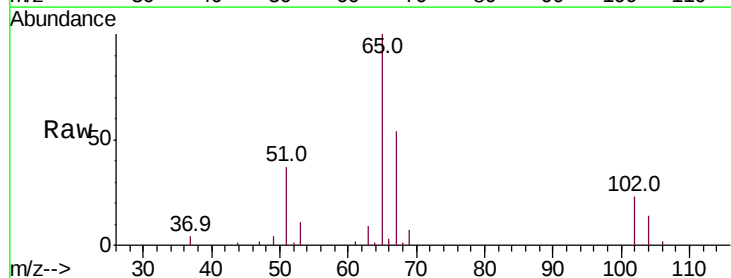


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

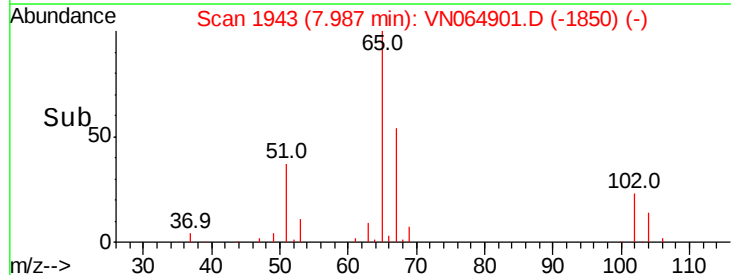
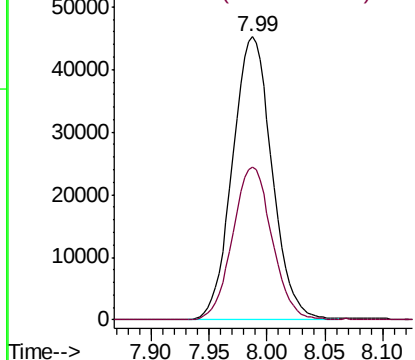


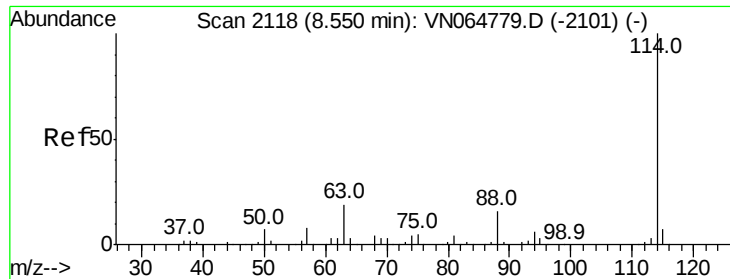
#33
1,2-Dichloroethane-d4
Concen: 51.468 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

Tgt Ion: 65 Resp: 107230
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

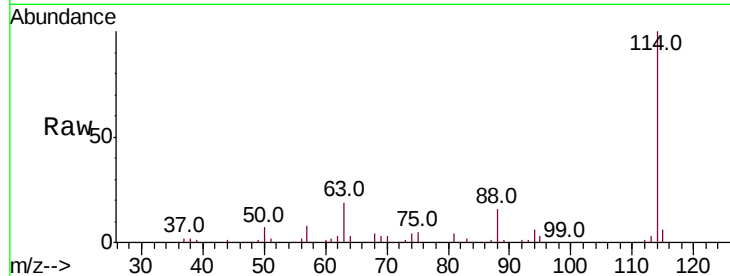




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 16827DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.6
88	16.1	0.0	32.6

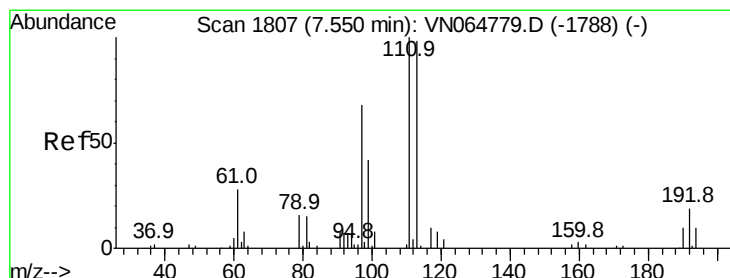
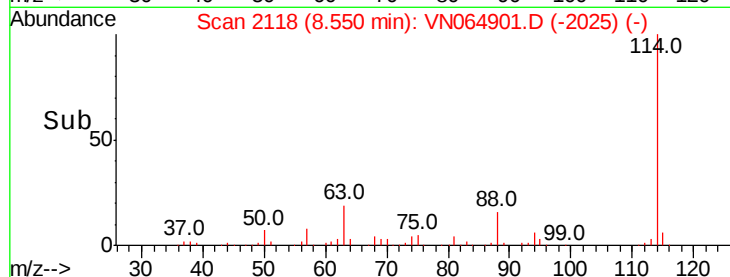
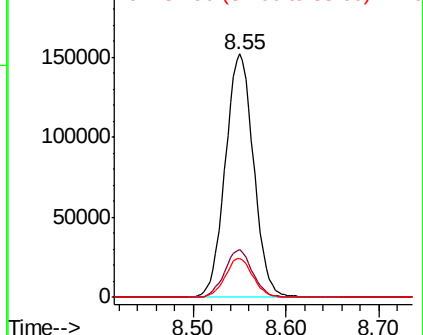


Abundance

Ion 113.90 (113.60 to 114.60): V

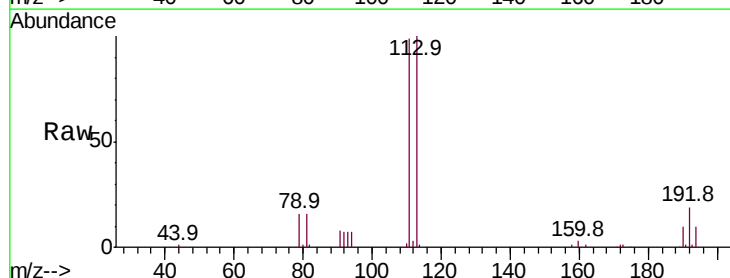
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 51.811 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.6	122.4
192	19.8	16.2	24.2

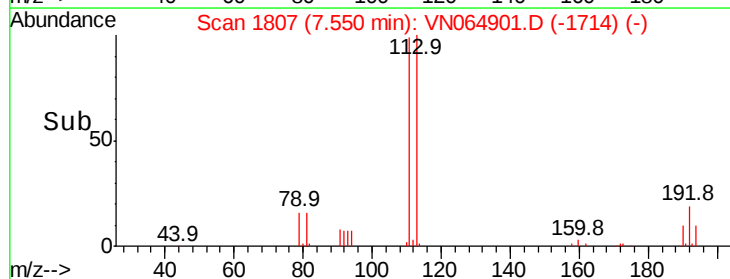
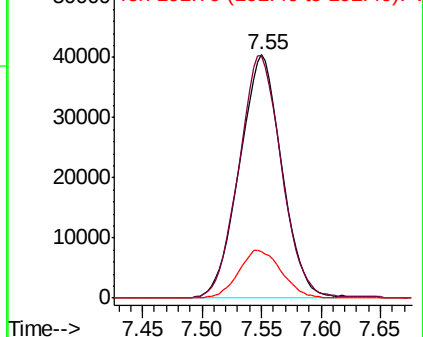


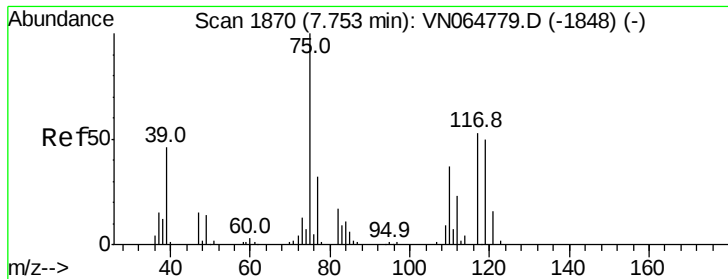
Abundance

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

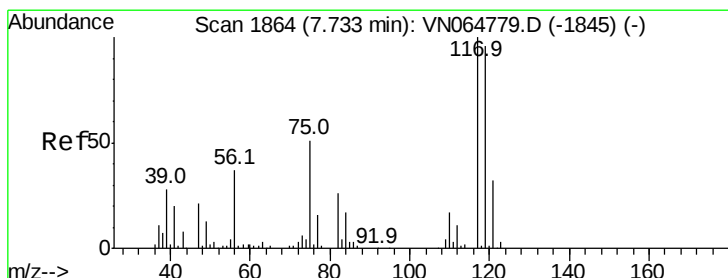
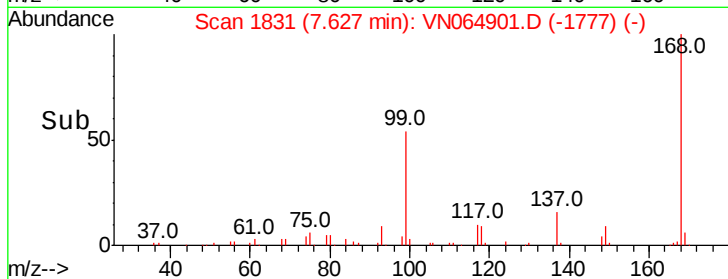
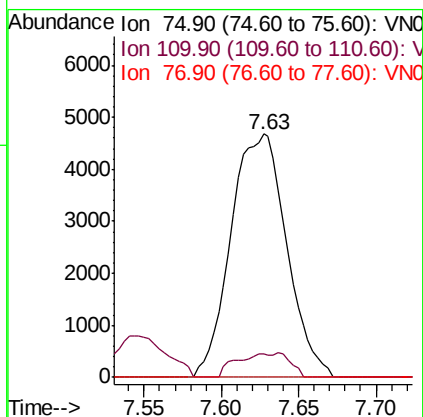
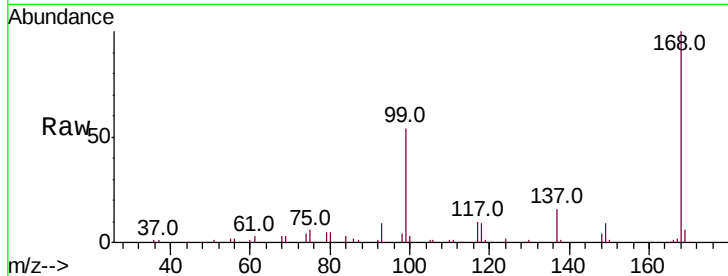




#36
 1,1-Dichloropropene
 Concen: 3.918 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

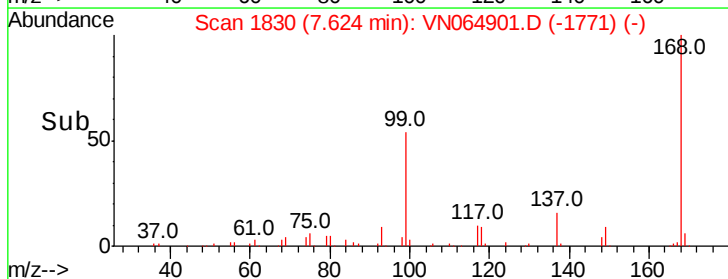
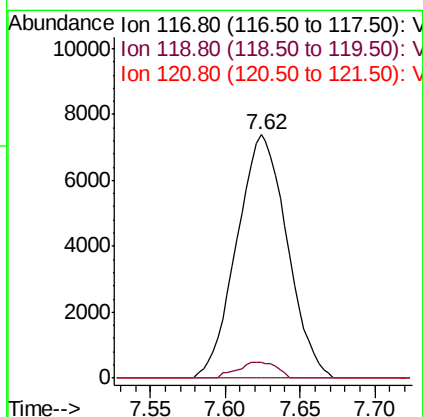
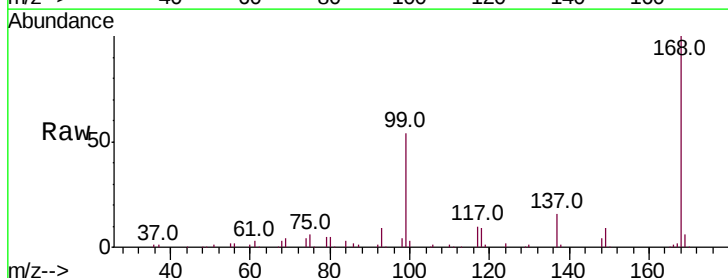
Instrument :
 MSVOA_N
 ClientSampleId :
 16827DL

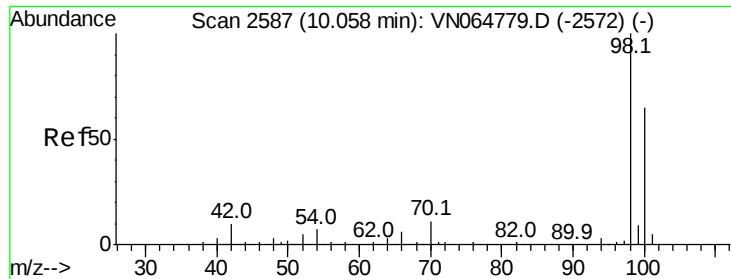
Tot Ion: 75 Resp: 11666
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.582 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

Tgt Ion: 117 Resp: 17293
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.7 115.1#
 121 0.0 25.4 38.2#





#50

Toluene-d8

Concen: 50.420 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

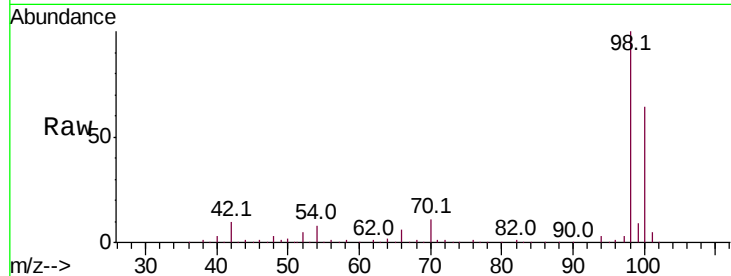
16827DL

Tot Ion: 98 Resp: 395943

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

250000

200000

150000

100000

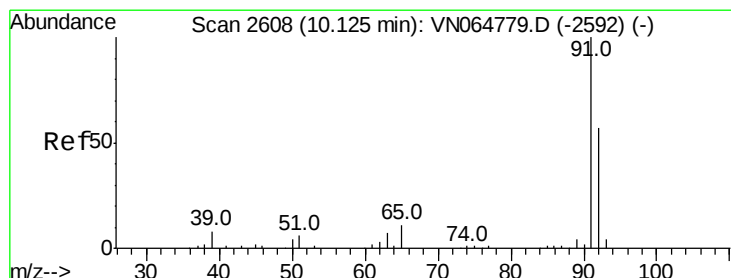
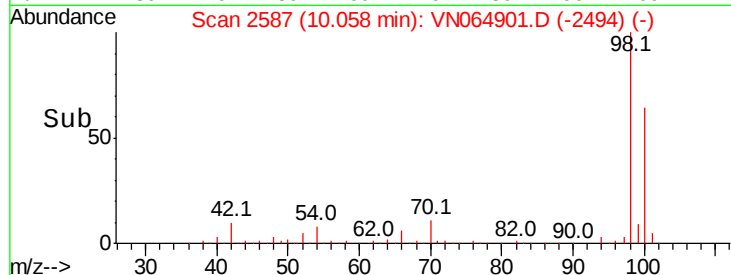
50000

0

10.06

10.10

Time-->



#52

Toluene

Concen: 0.567 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.01 min

Lab File: VN064901.D

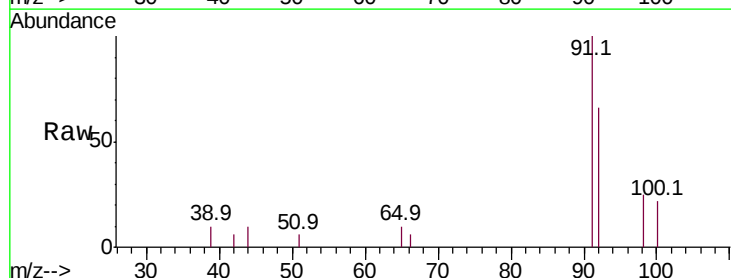
Acq: 3 Dec 2020 16:14

Tgt Ion: 92 Resp: 3184

Ion Ratio Lower Upper

92 100

91 174.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

3000

2000

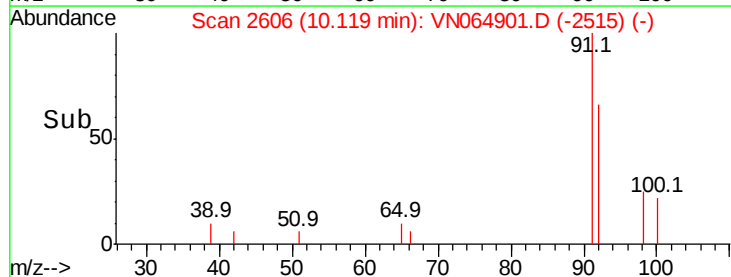
1000

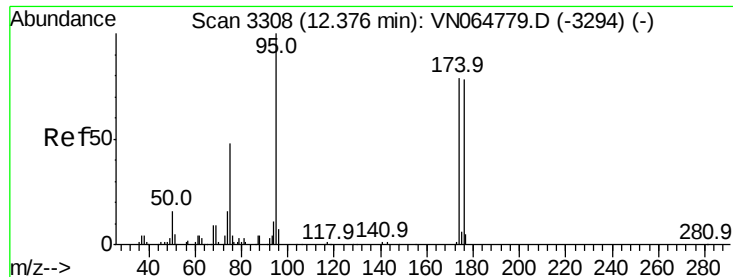
0

10.12

10.15

Time-->

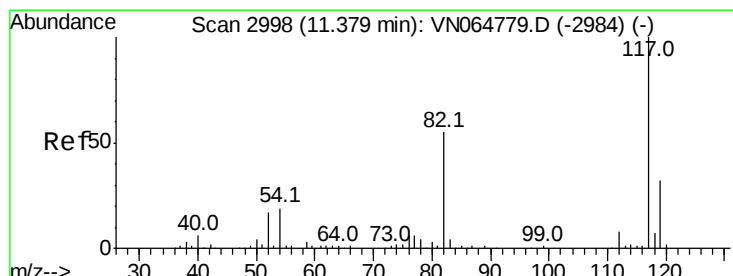
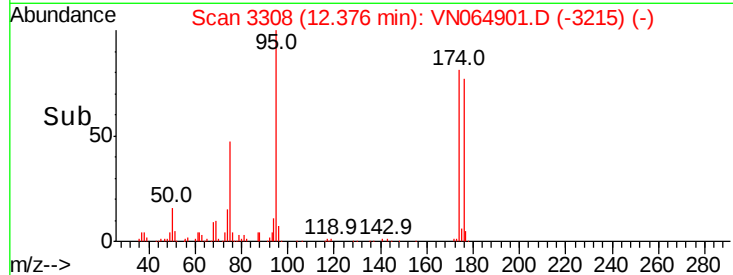
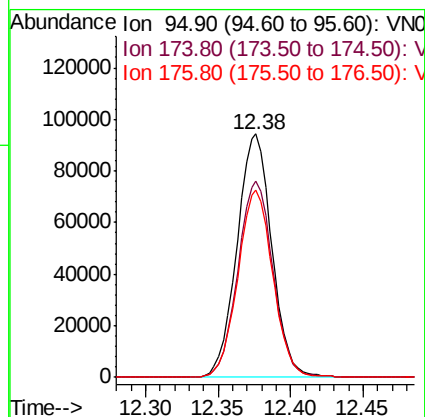
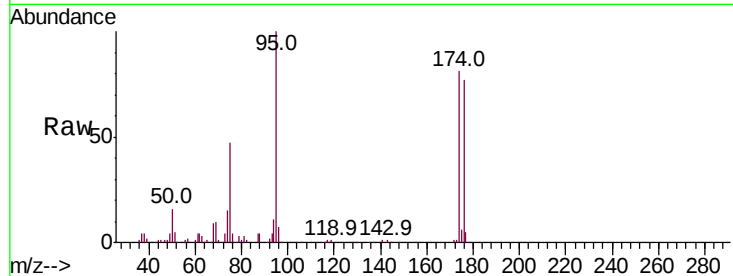




#62
4-Bromofluorobenzene
Concen: 55.919 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

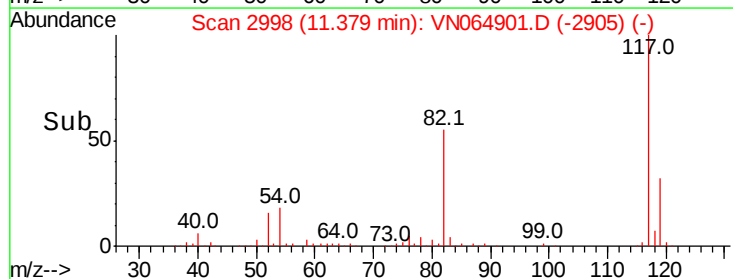
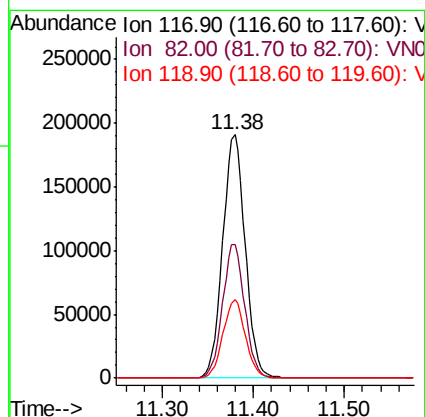
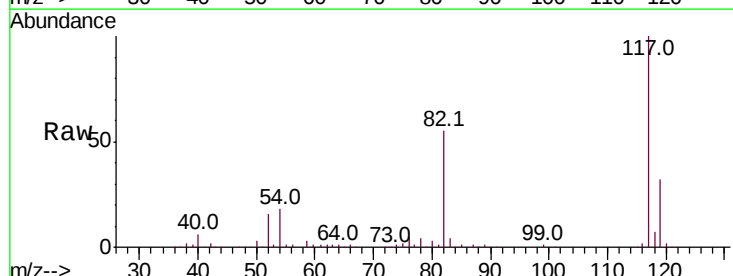
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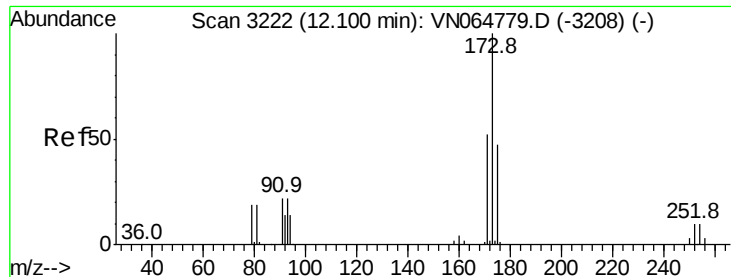
Tot Ion: 95 Resp: 157156
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.4
176 77.5 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

Tgt Ion: 117 Resp: 328857
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.2 25.8 38.6

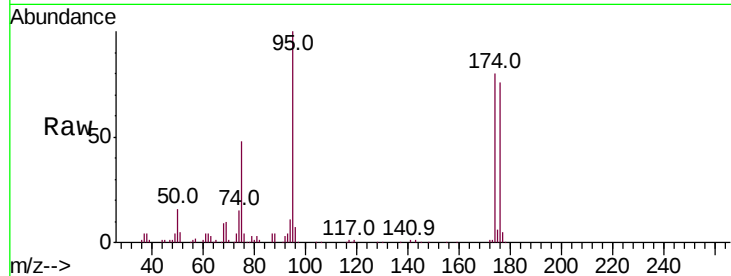




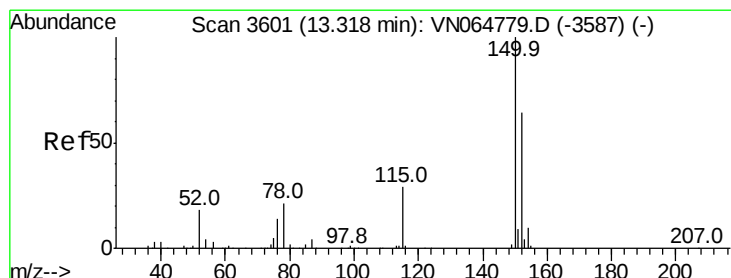
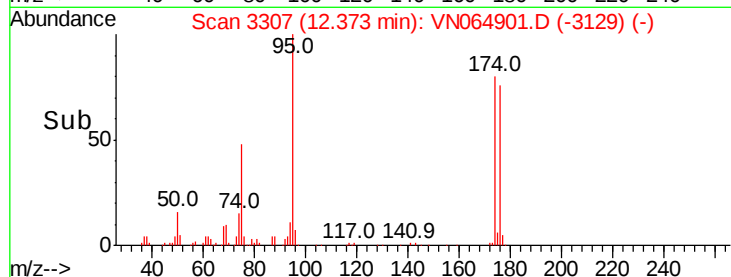
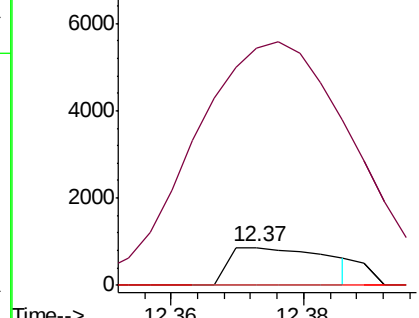
#71
Bromoform
Concen: 0.434 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

Instrument :
MSVOA_N
ClientSampleId :
16827DL

Tot Ion:173 Resp: 899
Ion Ratio Lower Upper
173 100
175 901.0 24.3 72.8#
254 0.0 0.0 0.0

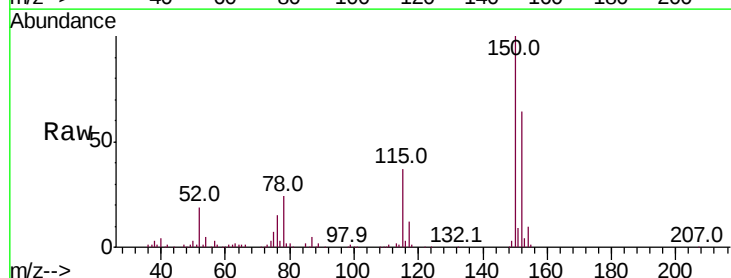


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

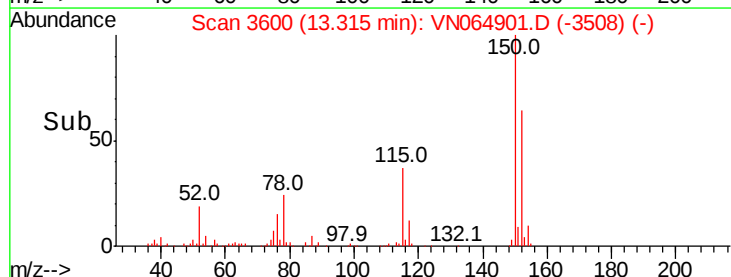
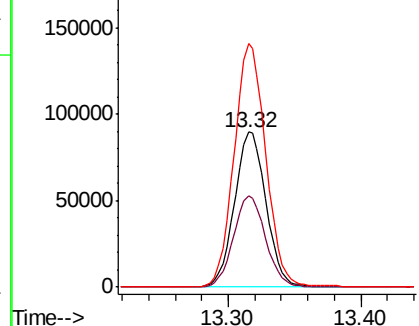


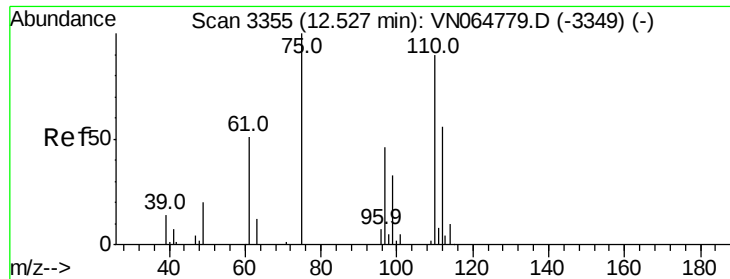
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064901.D
Acq: 3 Dec 2020 16:14

Tgt Ion:152 Resp: 148391
Ion Ratio Lower Upper
152 100
115 60.0 29.7 89.1
150 157.8 0.0 350.6



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

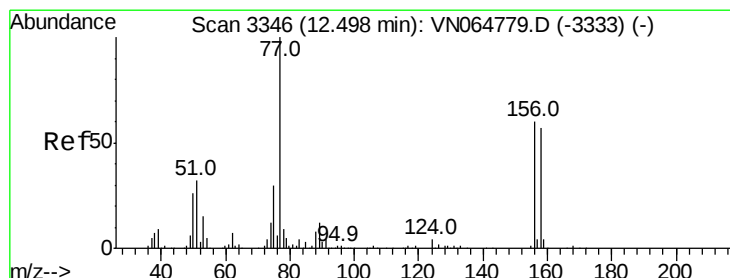
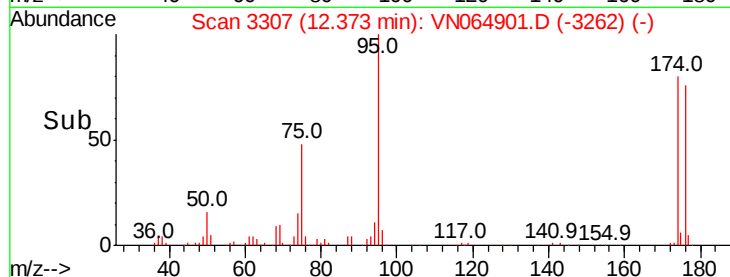
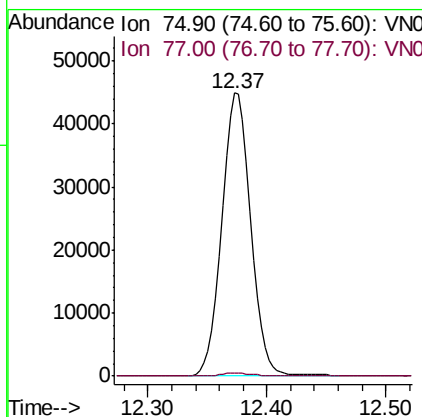
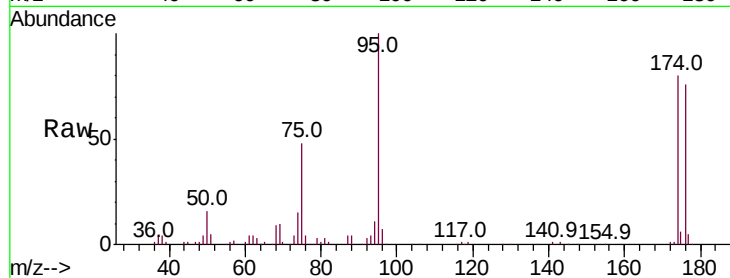




#76
 1,2,3-Trichloropropane
 Concen: 23.616 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

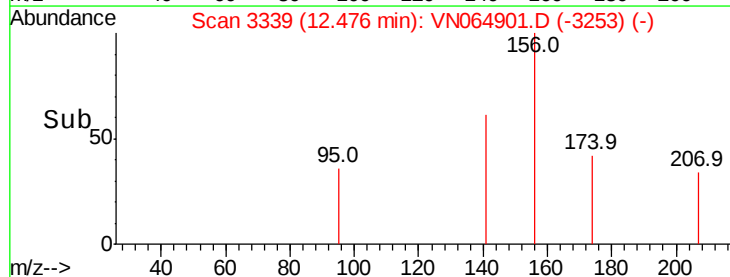
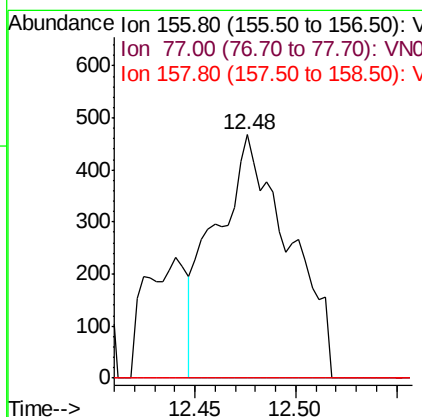
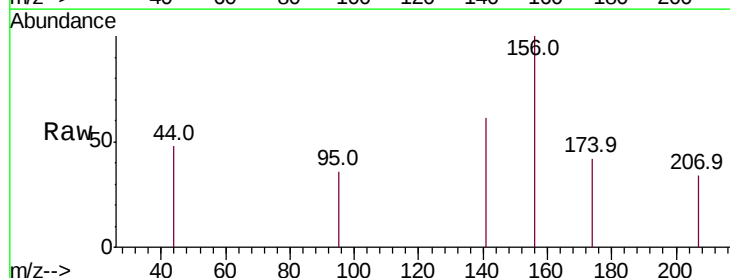
Instrument :
 MSVOA_N
 ClientSampled :
 16827DL

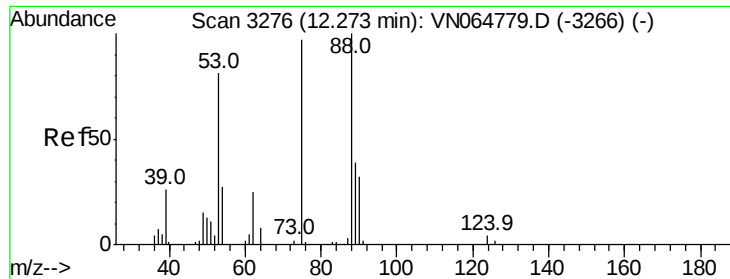
Tot Ion: 75 Resp: 75471
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.425 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.02 min
 Lab File: VN064901.D
 Acq: 3 Dec 2020 16:14

Tgt Ion: 156 Resp: 1184
 Ion Ratio Lower Upper
 156 100
 77 0.0 101.3 303.7#
 158 0.0 48.2 144.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.726 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064901.D

Acq: 3 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

16827DL

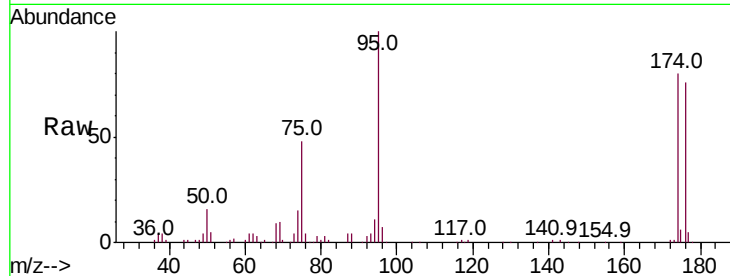
Tot Ion: 75 Resp: 75471

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

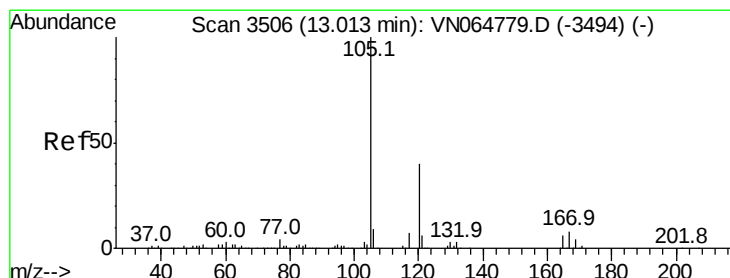
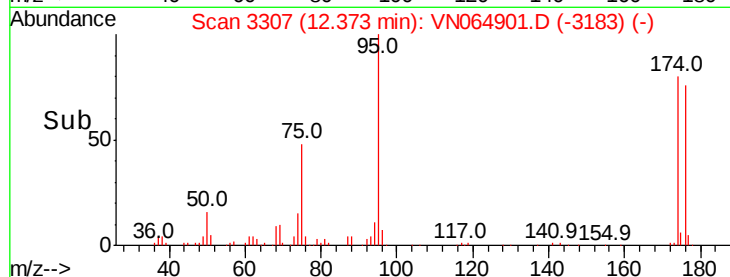
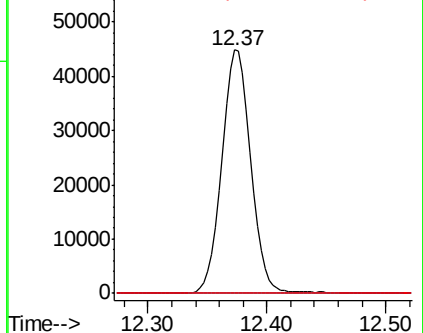
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064901.D (-3307) (-)

Ion 53.00 (52.70 to 53.70): VN064901.D (-3307) (-)

Ion 88.90 (88.60 to 89.60): VN064901.D (-3307) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.308 ug/l

RT: 13.01 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN064901.D

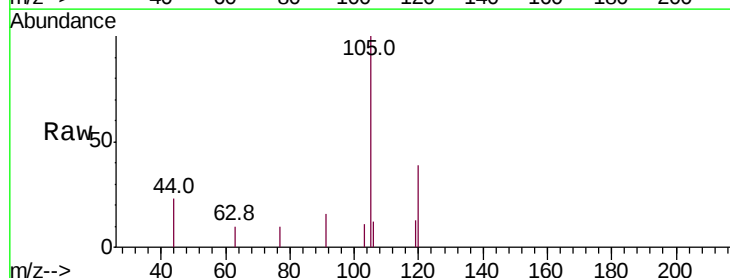
Acq: 3 Dec 2020 16:14

Tgt Ion: 105 Resp: 2669

Ion Ratio Lower Upper

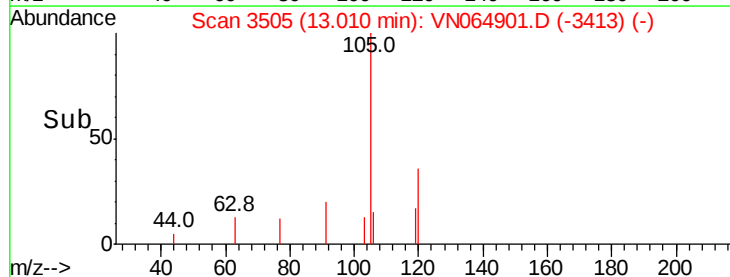
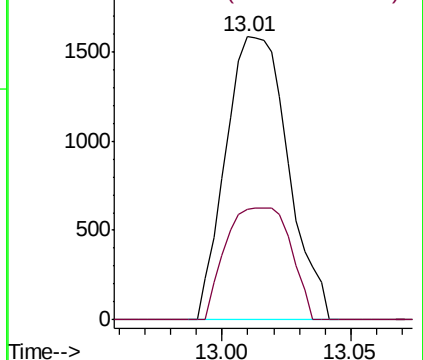
105 100

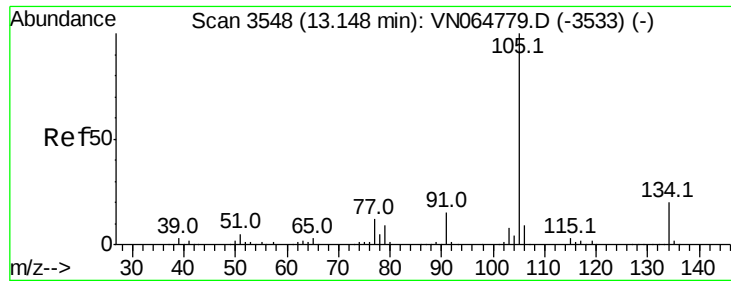
120 41.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VN064901.D (-3505) (-)

Ion 120.00 (119.70 to 120.70): VN064901.D (-3505) (-)





#85

sec-Butylbenzene

Concen: 0.280 ug/l

RT: 13.01 min Scan# 3505

Delta R.T. -0.14 min

Lab File: VN064901.D

Acq: 3 Dec 2020 16:14

Instrument :

MSVOA_N

ClientSampleId :

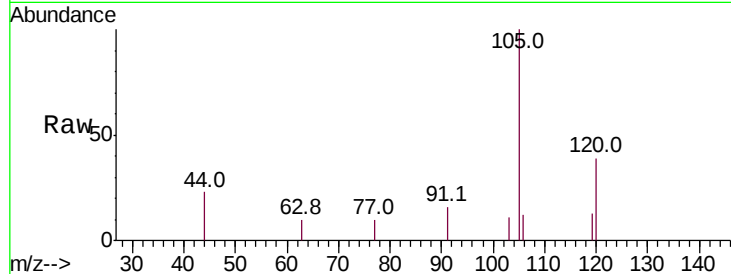
16827DL

Tot Ion:105 Resp: 2669

Ion Ratio Lower Upper

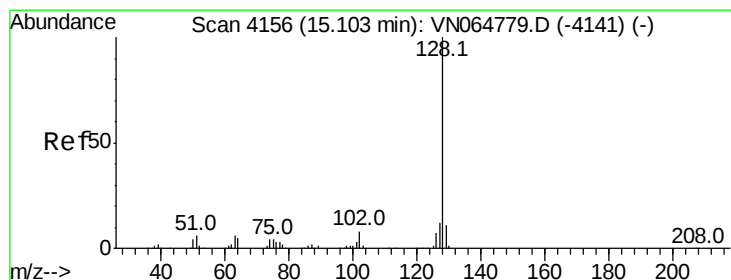
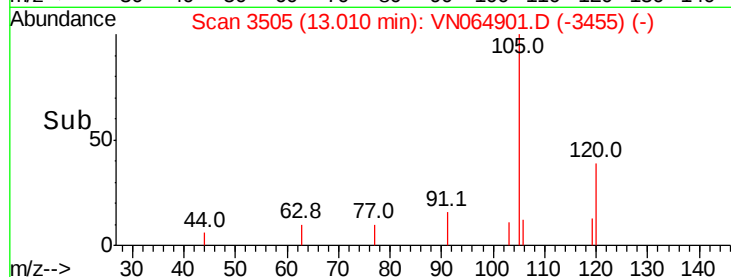
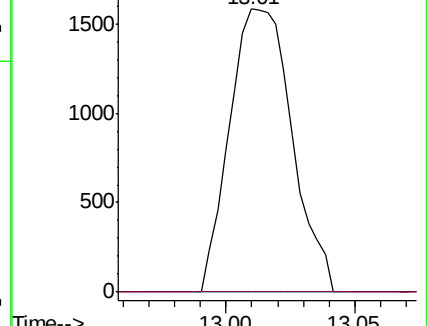
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 0.401 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064901.D

Acq: 3 Dec 2020 16:14

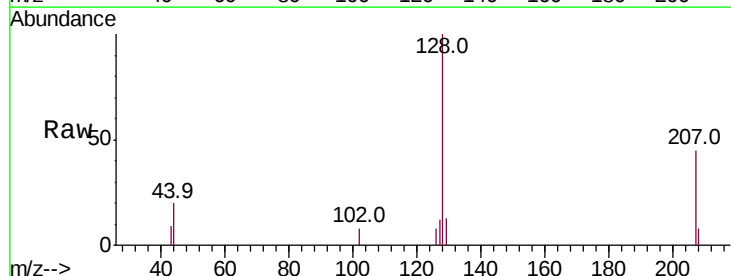
Tgt Ion:128 Resp: 3606

Ion Ratio Lower Upper

128 100

127 9.6 10.3 15.5#

129 6.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

