

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056446.D
 Acq On : 24 Jun 2019 11:28
 Operator : JC/SP
 Sample : PB120834ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

Quant Time: Jun 25 01:18:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	377571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	640088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183989	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	217641	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	189799	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	10.09	98	802215	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.40	95	257183	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	8146	3.885	ug/l	96
18) Methyl Acetate	4.33	43	6370	0.696	ug/l #	88
20) Methylene Chloride	4.55	84	7387	0.997	ug/l	88
25) 2-Butanone	6.86	43	1232	0.444	ug/l #	49
29) Tetrahydrofuran	7.22	42	1209	0.713	ug/l #	84
31) Cyclohexane	7.66	56	6273	0.971	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24710	4.386	ug/l #	49
38) Carbon Tetrachloride	7.66	117	31544	6.403	ug/l #	15
41) Methacrylonitrile	7.23	41	847	0.346	ug/l #	24
43) Isopropyl Acetate	8.17	43	16813	1.969	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	2150	0.464	ug/l #	43
48) Methyl methacrylate	9.18	41	9138	2.136	ug/l #	12
49) 1,4-Dioxane	9.27	88	131	1.475	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	6760	1.227	ug/l	93
53) t-1,3-Dichloropropene	10.39	75	114	2.909	ug/l #	1
54) cis-1,3-Dichloropropene	9.90	75	67064	10.829	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	14883	2.080	ug/l #	42
59) 2-Hexanone	10.76	43	206324	50.945	ug/l #	51
60) Dibromochloromethane	10.63	129	290	2.445	ug/l #	10
71) Bromoform	12.40	173	1939	3.665	ug/l #	1
73) Isopropylbenzene	12.25	105	1241	Below Cal	#	65
74) N-amyl acetate	12.07	43	1427	0.244	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.50	83	31	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	121032	31.725	ug/l #	100
79) 2-Chlorotoluene	12.67	91	1033	Below Cal		97
80) 1,3,5-Trimethylbenzene	12.73	105	11678	Below Cal		99
81) trans-1,4-Dichloro-2-buten	12.40	75	121032	112.755	ug/l #	8
83) tert-Butylbenzene	12.99	119	1042	Below Cal	#	90
89) n-Butylbenzene	13.62	91	2441	0.254	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	1437	0.232	ug/l #	81
93) 1,2,4-Trichlorobenzene	14.91	180	1388	5.997	ug/l	95
94) Hexachlorobutadiene	15.00	225	668	Below Cal		79
95) Naphthalene	15.13	128	4355	5.708	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	1851	4.986	ug/l	88

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

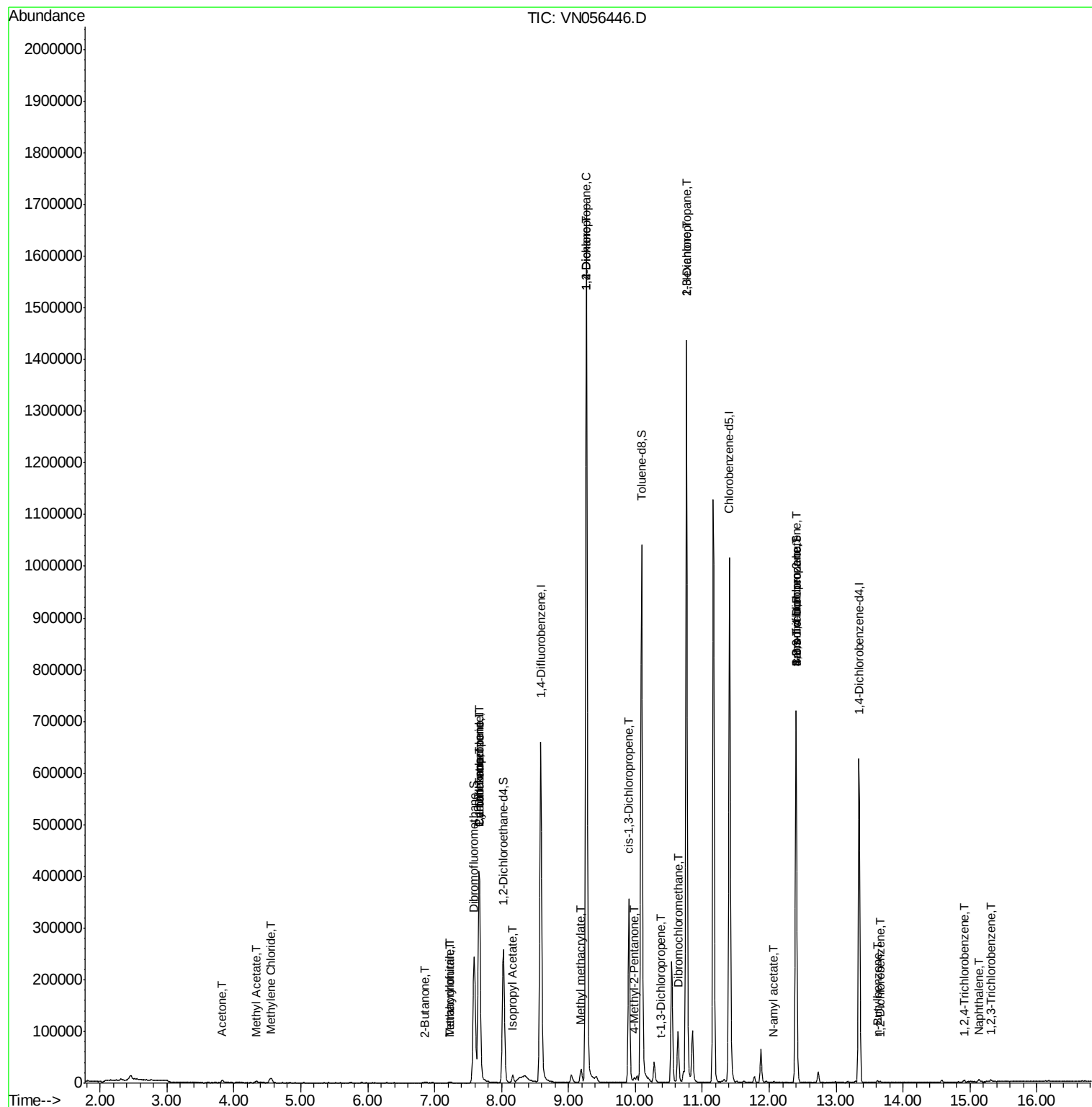
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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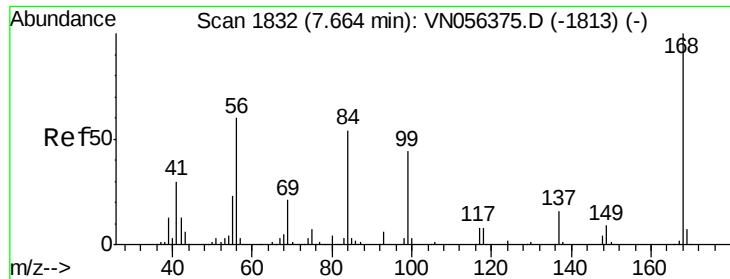
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

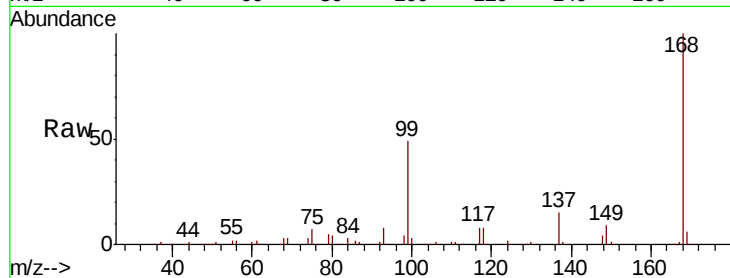
PB120834ZHE#01

Tot Ion:168 Resp: 377571

Ion Ratio Lower Upper

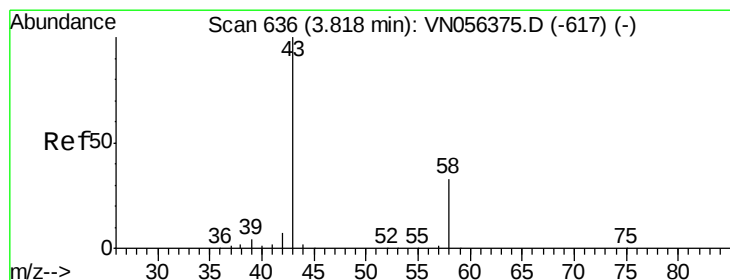
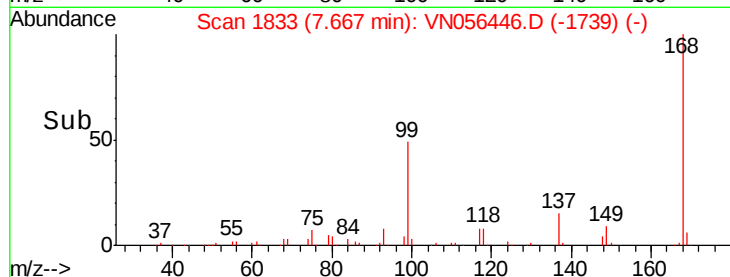
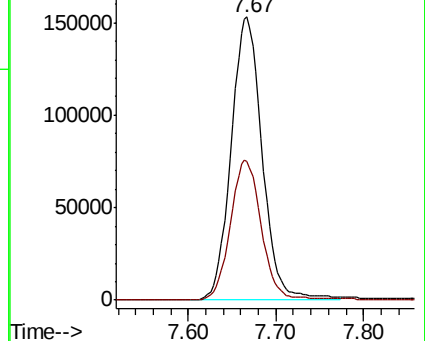
168 100

99 49.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 3.885 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056446.D

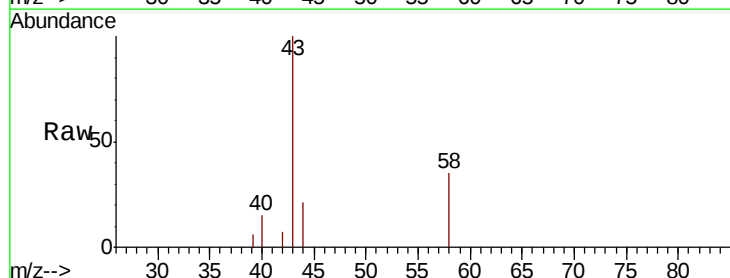
Acq: 24 Jun 2019 11:28

Tgt Ion: 43 Resp: 8146

Ion Ratio Lower Upper

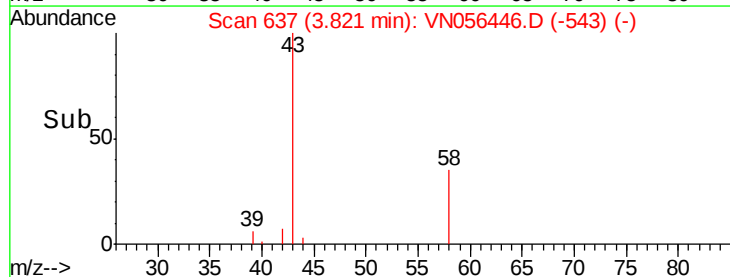
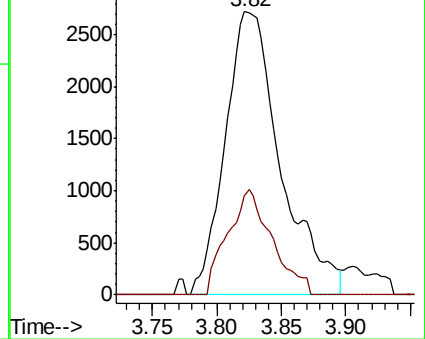
43 100

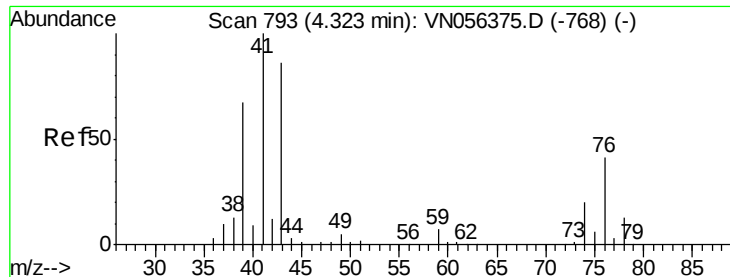
58 35.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

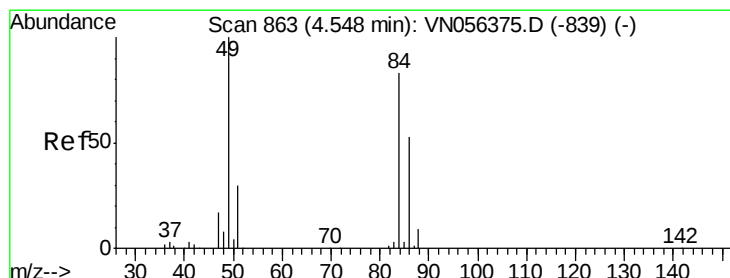
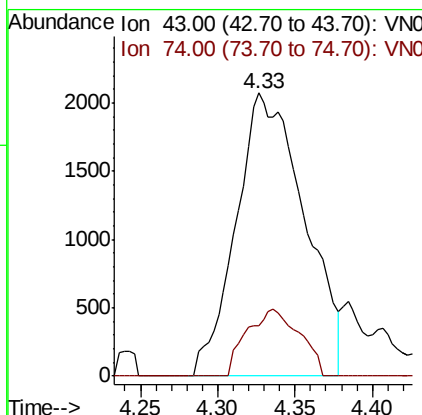
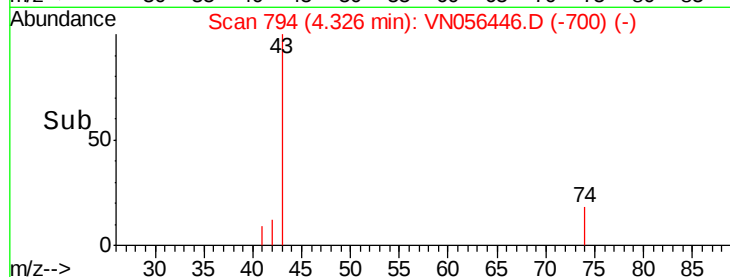
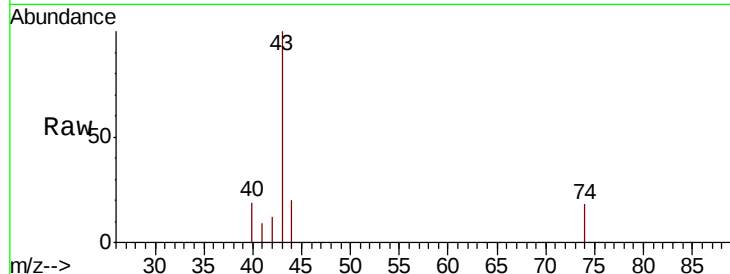




#18
Methyl Acetate
Concen: 0.696 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

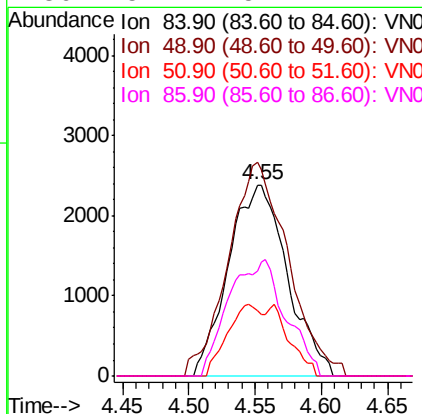
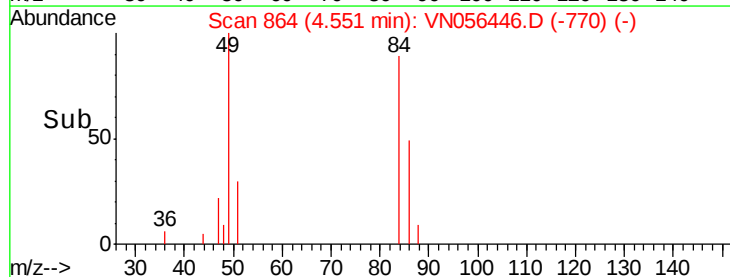
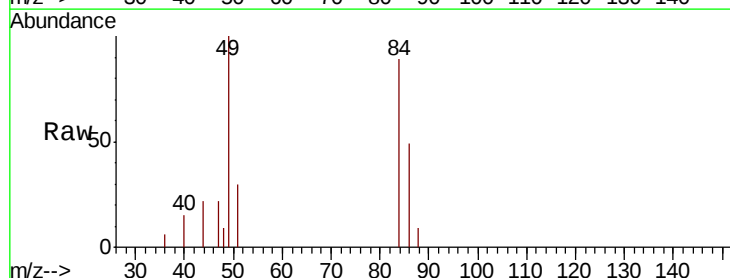
Instrument :
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PB120834ZHE#01

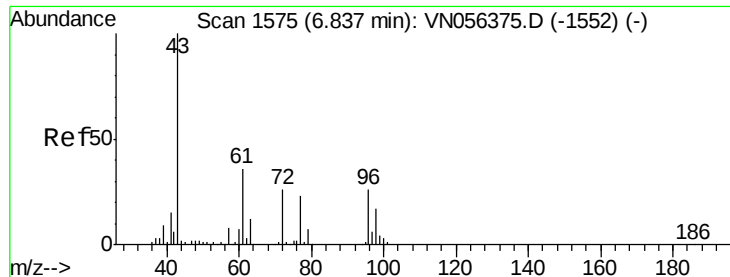
Tot Ion: 43 Resp: 6370
Ion Ratio Lower Upper
43 100
74 18.2 19.2 28.8#



#20
Methylene Chloride
Concen: 0.997 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

Tgt Ion: 84 Resp: 7387
Ion Ratio Lower Upper
84 100
49 105.1 96.4 144.6
51 34.0 28.6 43.0
86 54.7 51.4 77.2

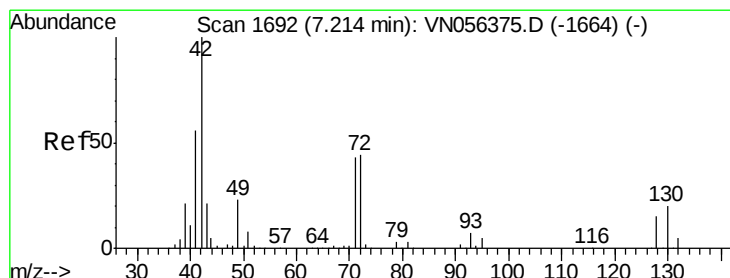
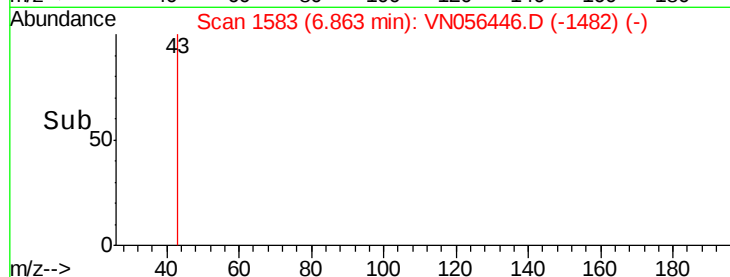
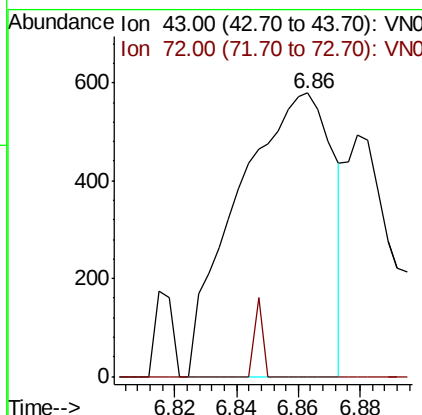
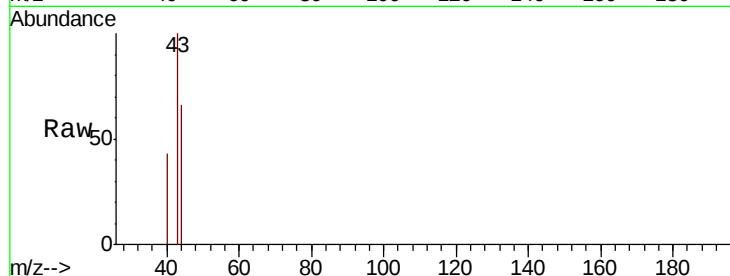




#25
 2-Butanone
 Concen: 0.444 ug/l
 RT: 6.86 min Scan# 1583
 Delta R.T. 0.03 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

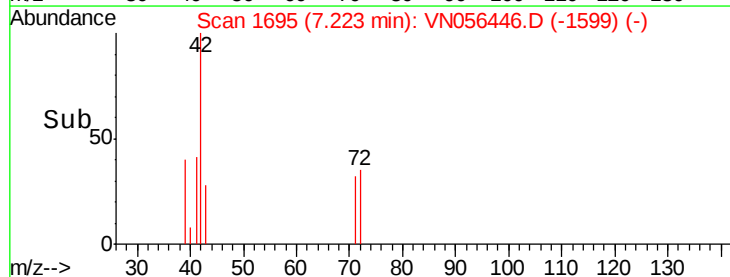
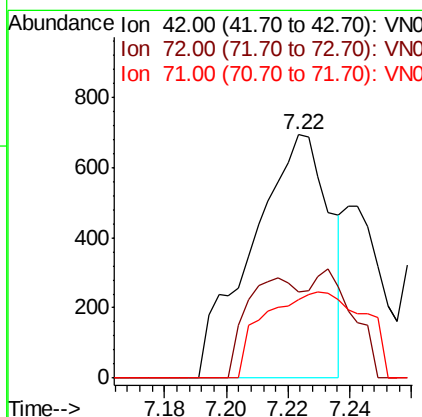
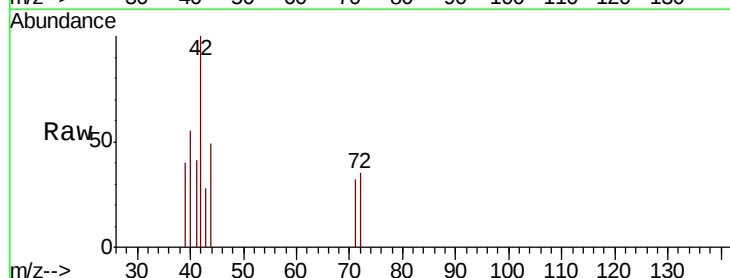
Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

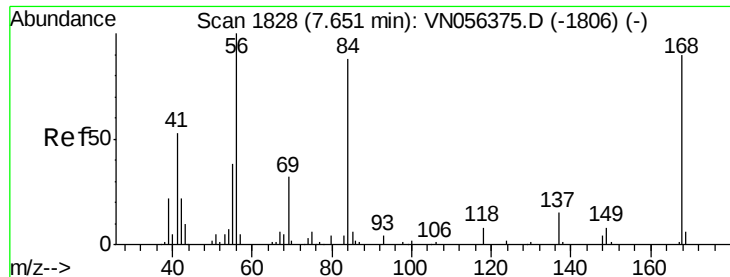
Tot Ion: 43 Resp: 1232
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.6 31.0#



#29
 Tetrahydrofuran
 Concen: 0.713 ug/l
 RT: 7.22 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Tgt Ion: 42 Resp: 1209
 Ion Ratio Lower Upper
 42 100
 72 27.4 34.7 52.1#
 71 45.1 33.0 49.6

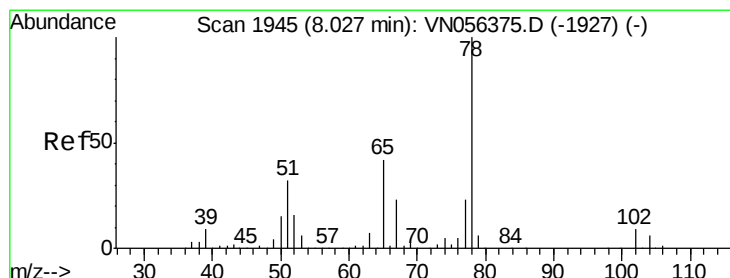
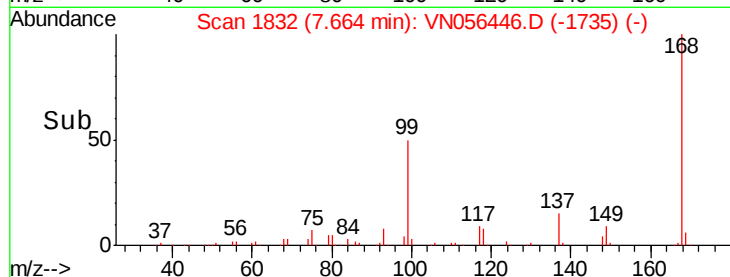
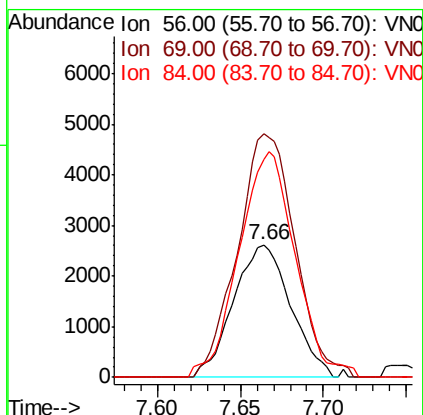
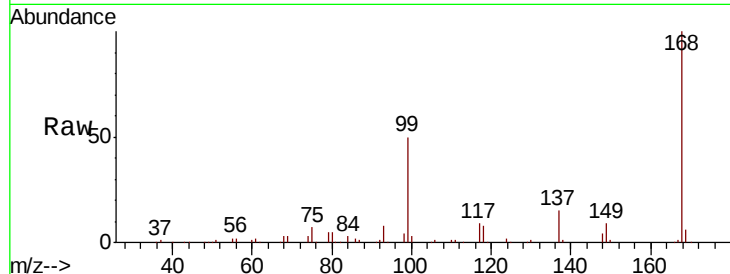




#31
Cyclohexane
Concen: 0.971 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

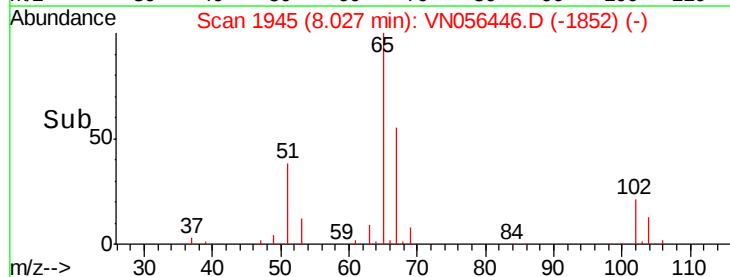
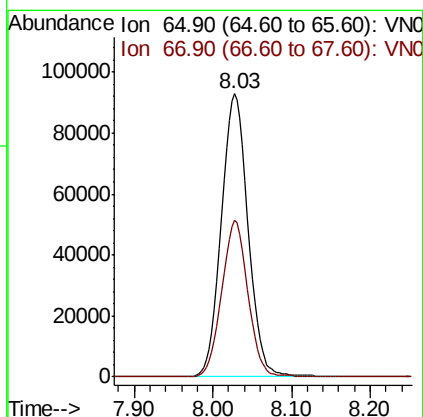
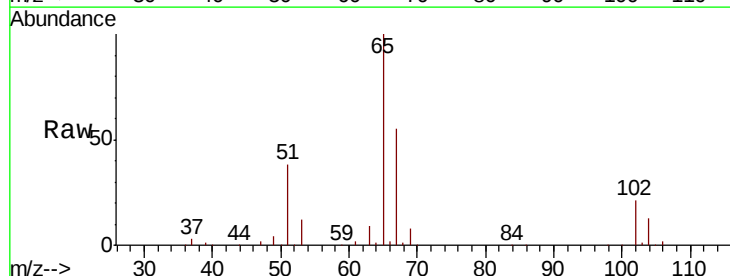
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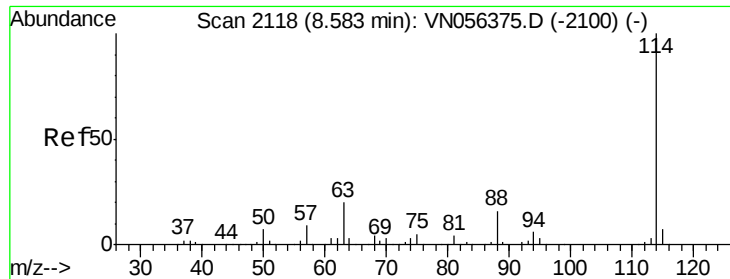
Tot Ion: 56 Resp: 6273
Ion Ratio Lower Upper
56 100
69 183.4 25.8 38.6#
84 163.9 69.4 104.0#



#33
1,2-Dichloroethane-d4
Concen: 52.009 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

Tgt Ion: 65 Resp: 217641
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0

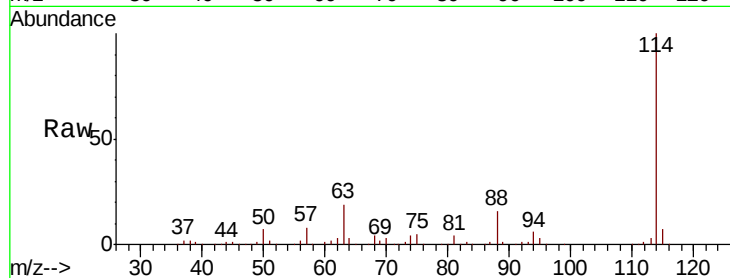




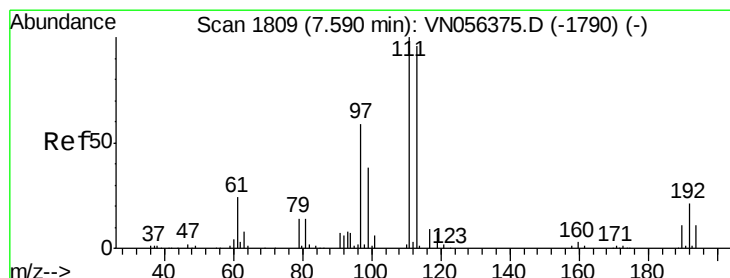
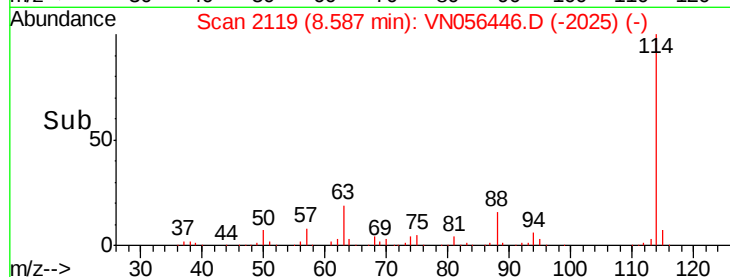
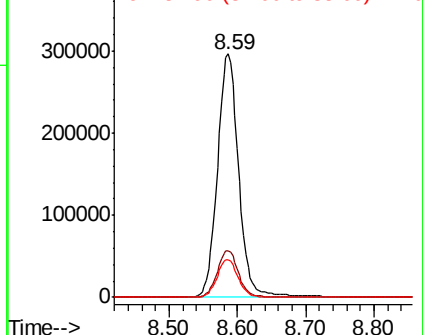
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

Tot Ion:114 Resp: 640088
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 15.6 0.0 31.4

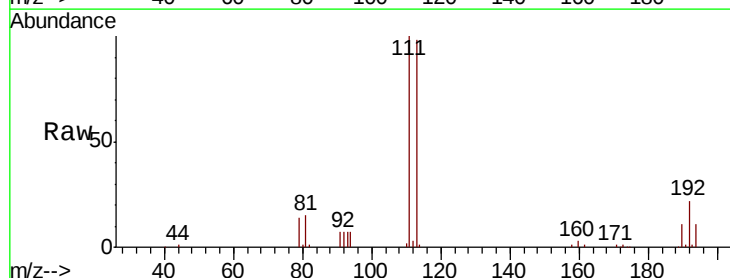


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

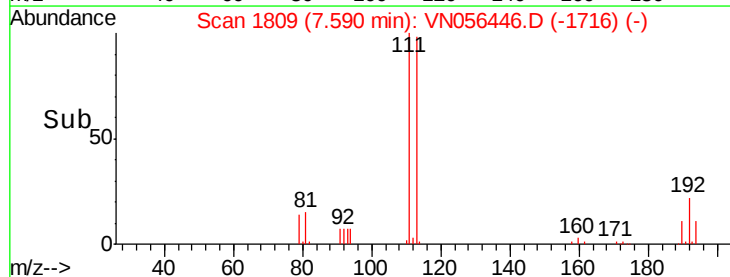
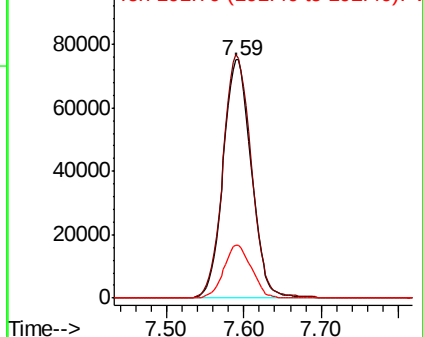


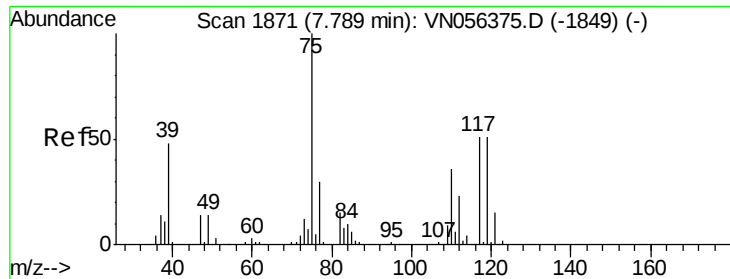
#35
 Dibromofluoromethane
 Concen: 47.532 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Tgt Ion:113 Resp: 189799
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 21.9 17.7 26.5



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

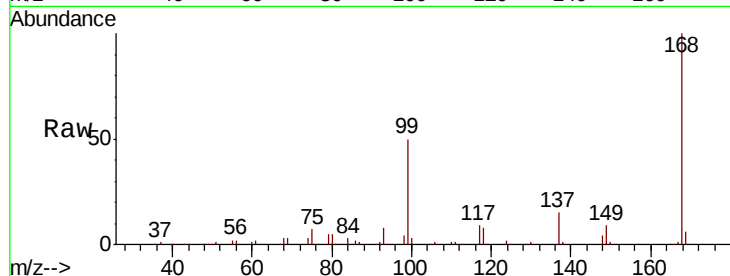




#36
 1,1-Dichloropropene
 Concen: 4.386 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

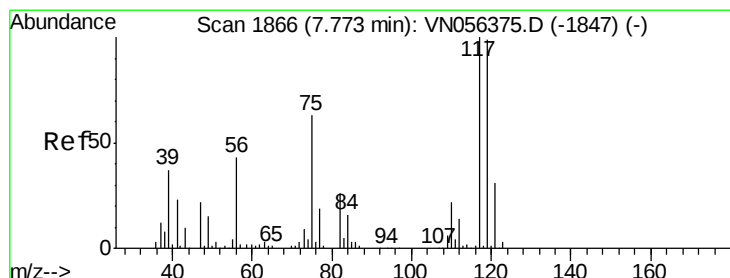
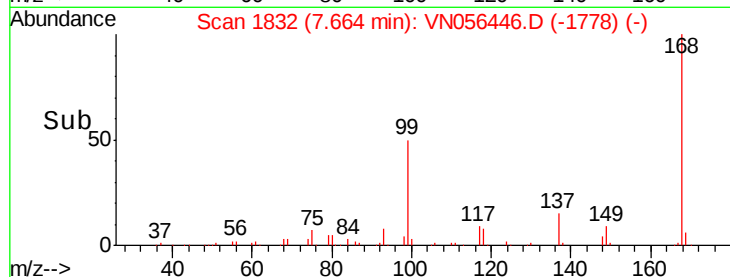
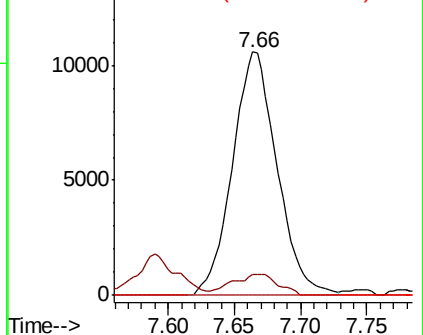
Tot Ion	75	Resp	24710
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	24.6	36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-1849) (-)

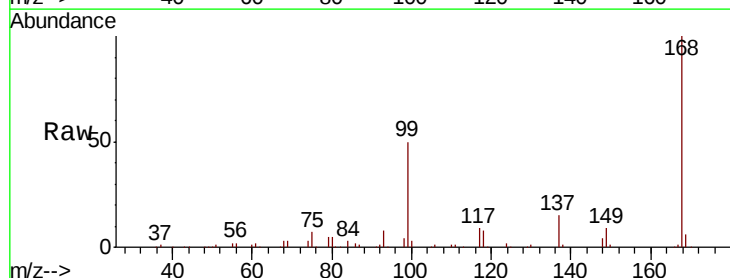
Ion 109.90 (109.60 to 110.60): VN056375.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN056375.D (-1849) (-)



#38
 Carbon Tetrachloride
 Concen: 6.403 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

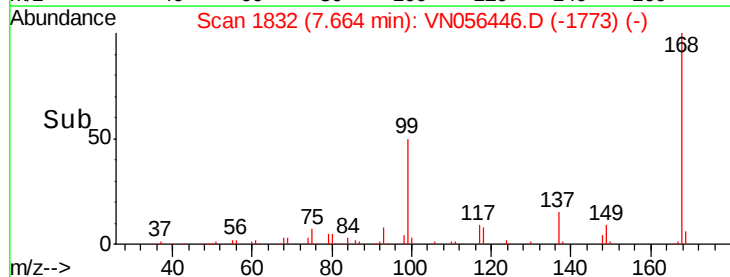
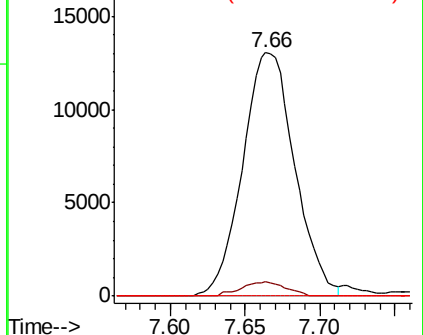
Tgt Ion	117	Resp	31544
Ion Ratio	100	Lower	Upper
117	100		
119	5.7	79.1	118.7#
121	0.0	24.8	37.2#

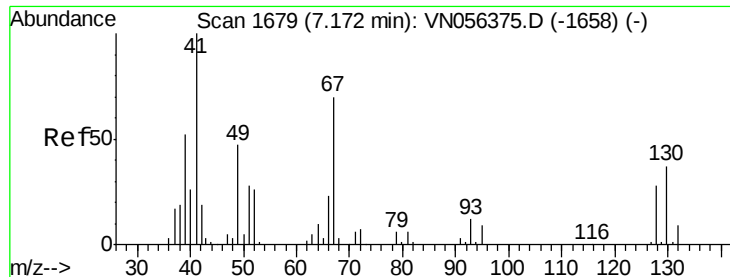


Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN056375.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN056375.D (-1847) (-)

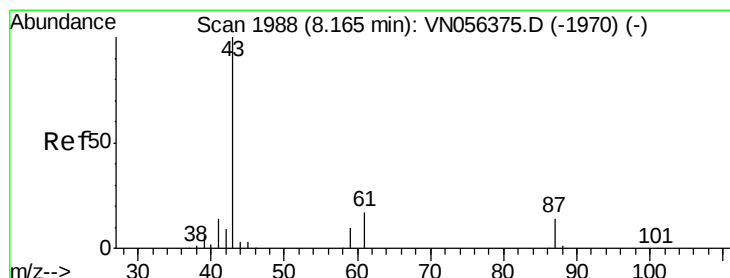
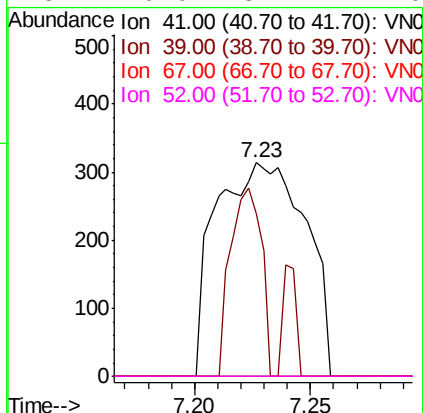
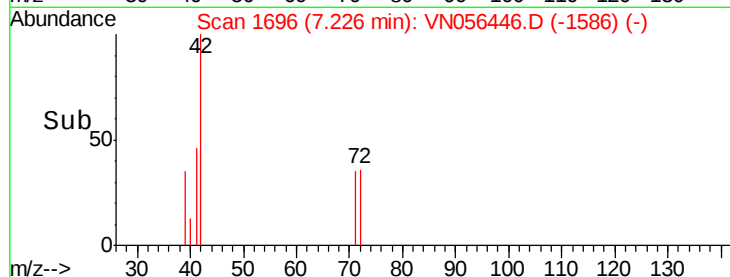
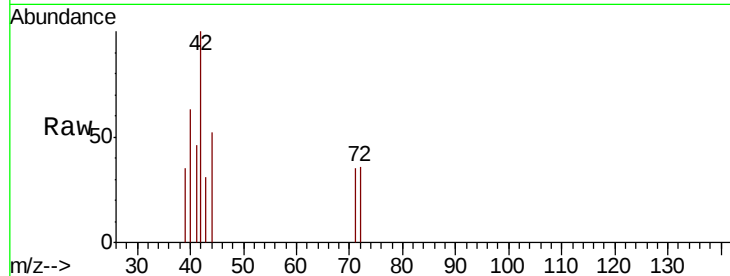




#41
Methacrylonitrile
Concen: 0.346 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.05 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

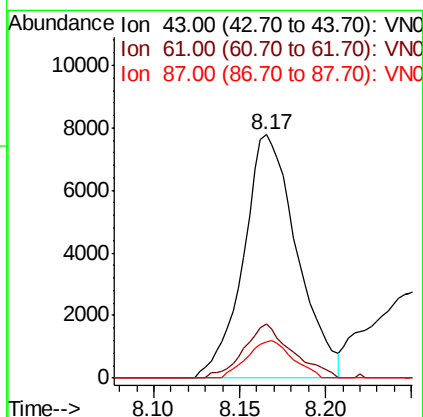
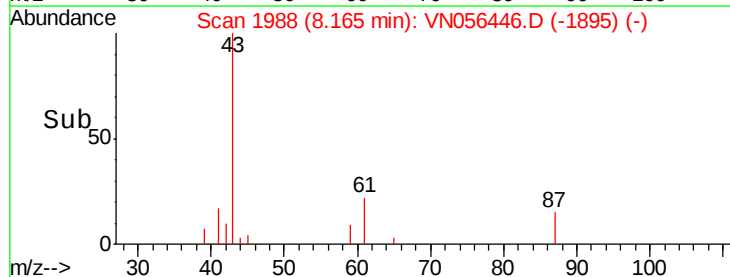
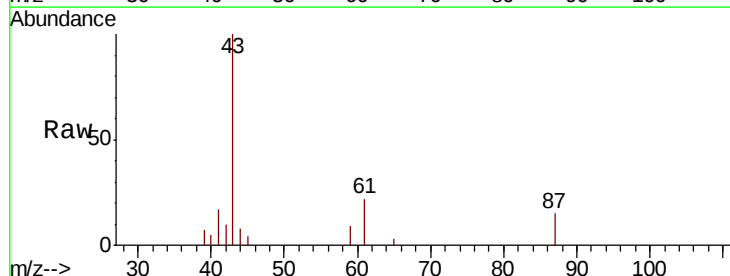
Instrument :
MSVOA_N
ClientSampleId :
PB120834ZHE#01

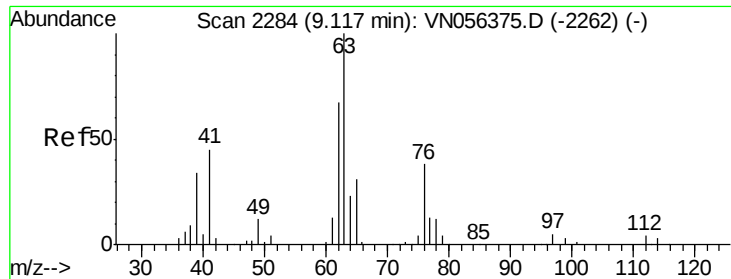
Tot Ion: 41 Resp: 847
Ion Ratio Lower Upper
41 100
39 30.1 55.3 82.9#
67 0.0 79.2 118.8#
52 0.0 31.4 47.0#



#43
Isopropyl Acetate
Concen: 1.969 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056446.D
Acq: 24 Jun 2019 11:28

Tgt Ion: 43 Resp: 16813
Ion Ratio Lower Upper
43 100
61 20.0 22.0 33.0#
87 12.9 11.0 16.4

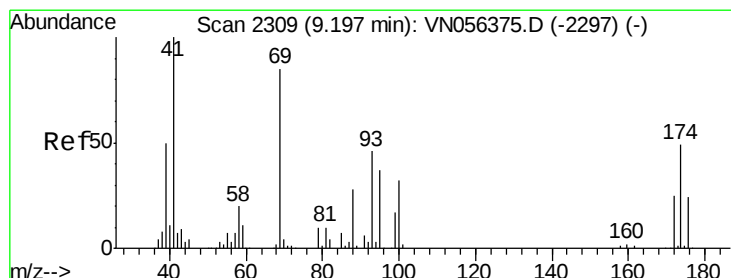
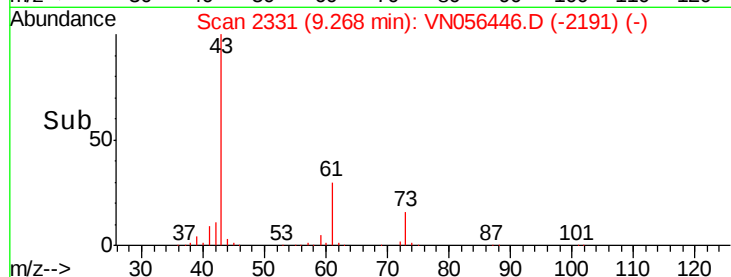
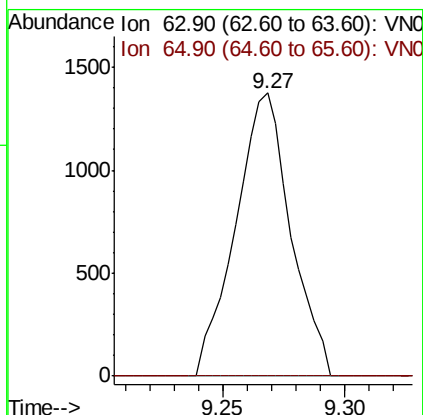
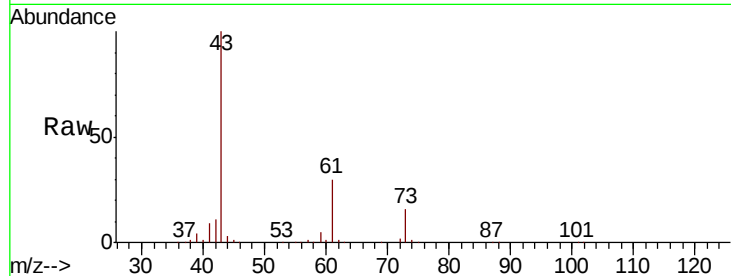




#45
 1,2-Dichloropropane
 Concen: 0.464 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

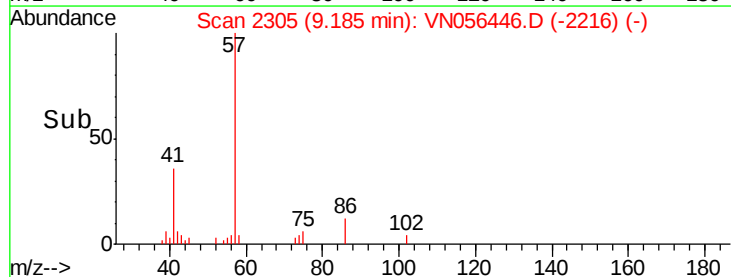
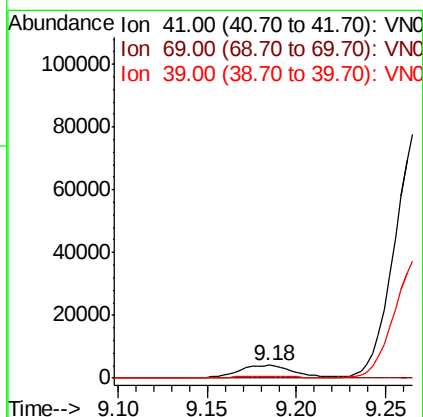
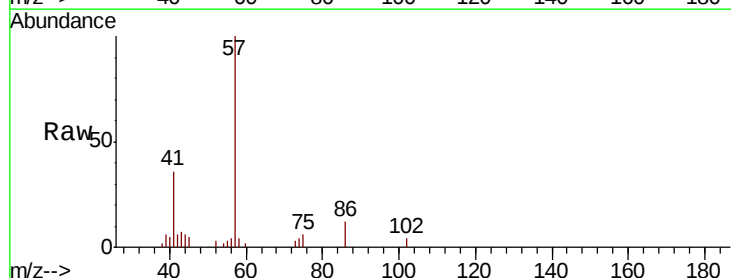
Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

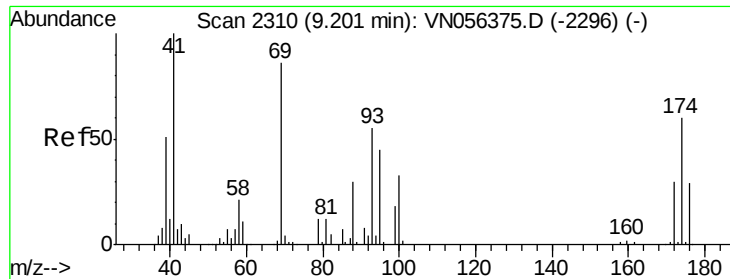
Tot Ion: 63 Resp: 2150
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 2.136 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Tgt Ion: 41 Resp: 9138
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.6 109.0#
 39 0.0 42.6 63.8#





#49

1,4-Dioxane

Concen: 1.475 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

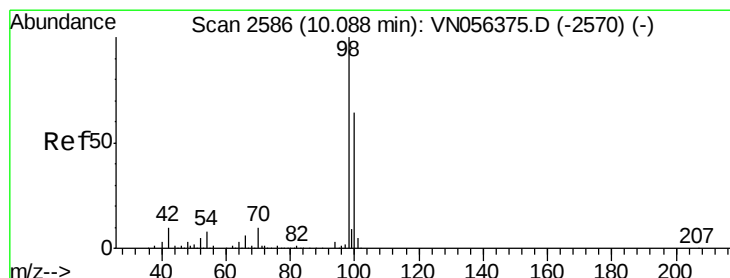
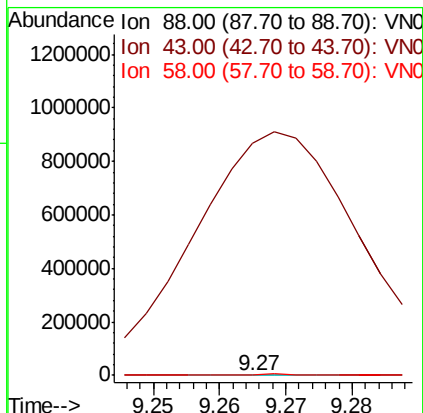
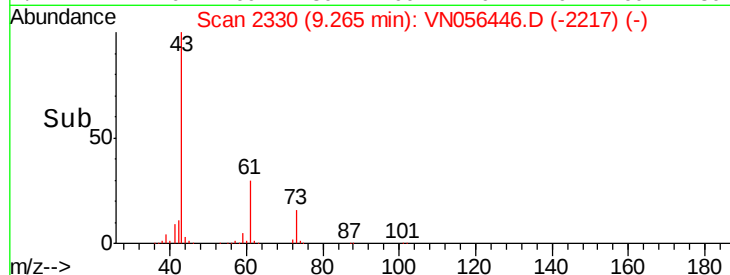
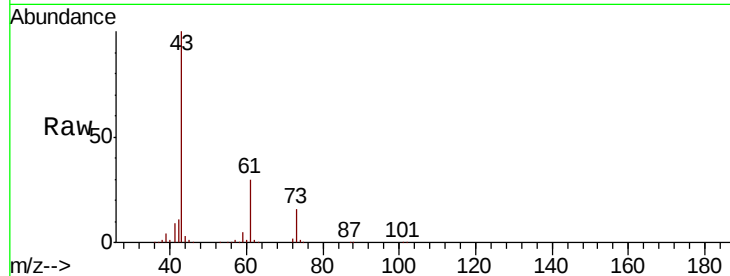
Tot Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 1284113.7 22.0 33.0#

58 5589.3 51.8 77.8#



#50

Toluene-d8

Concen: 51.631 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056446.D

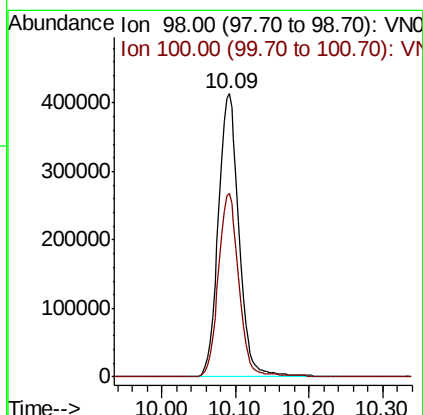
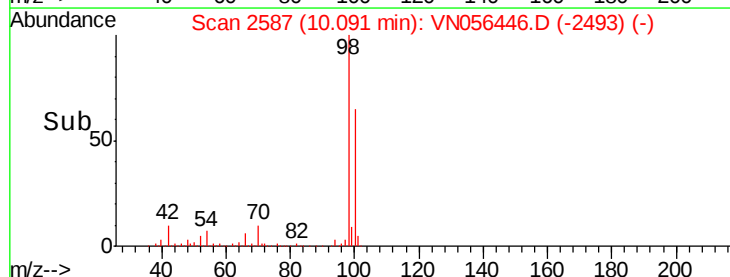
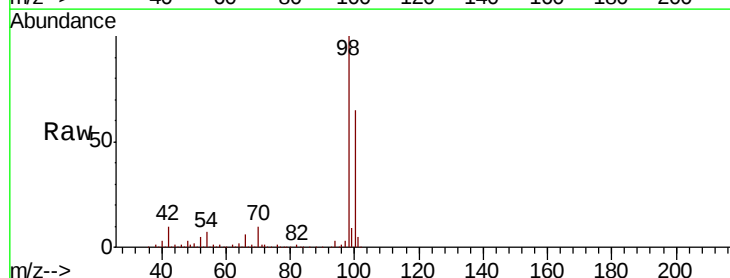
Acq: 24 Jun 2019 11:28

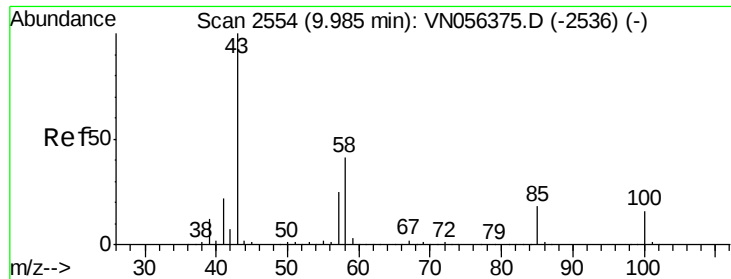
Tgt Ion: 98 Resp: 802215

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.227 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

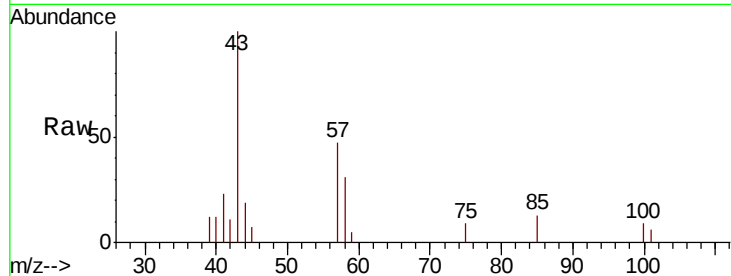
PB120834ZHE#01

Tot Ion: 43 Resp: 6760

Ion Ratio Lower Upper

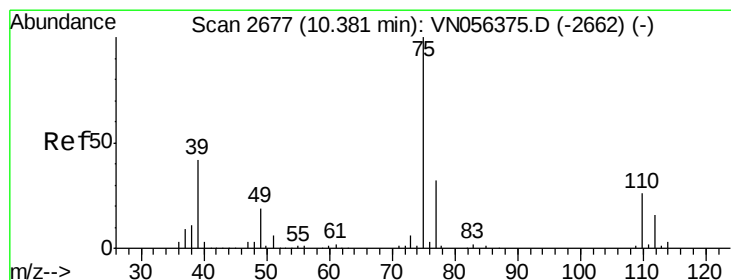
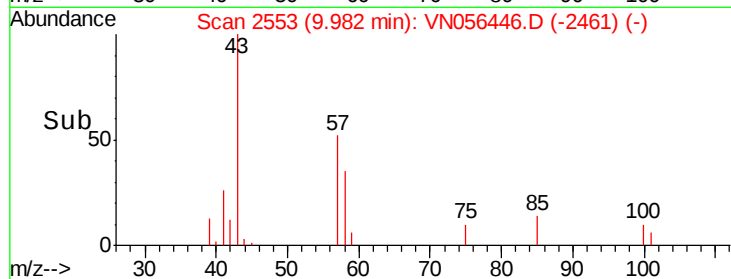
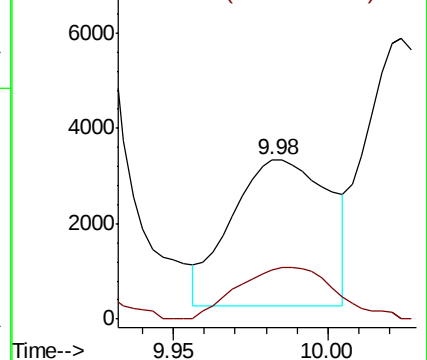
43 100

58 35.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.909 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN056446.D

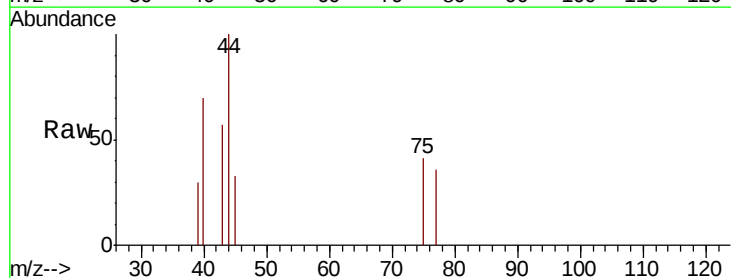
Acq: 24 Jun 2019 11:28

Tgt Ion: 75 Resp: 114

Ion Ratio Lower Upper

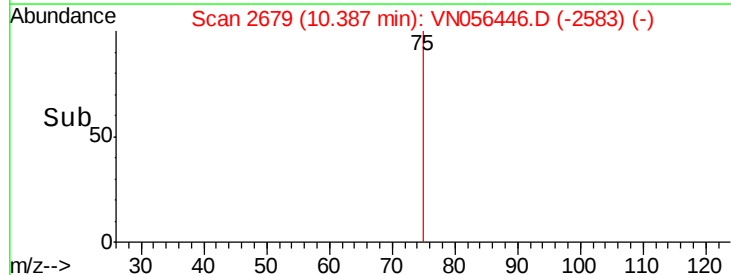
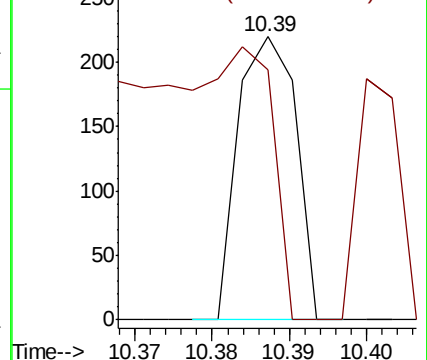
75 100

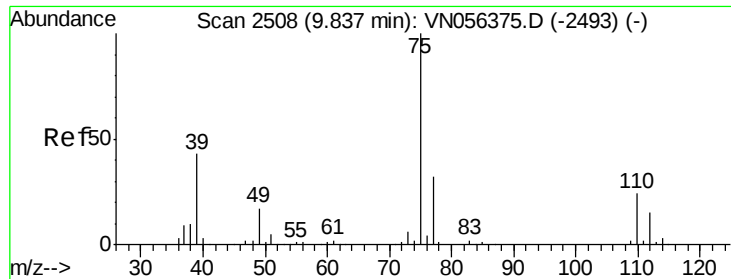
77 88.2 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 10.829 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

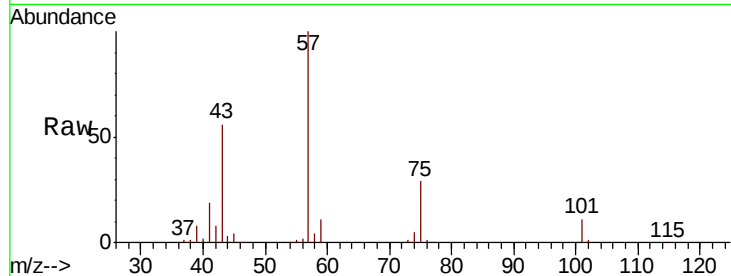
Tot Ion: 75 Resp: 67064

Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

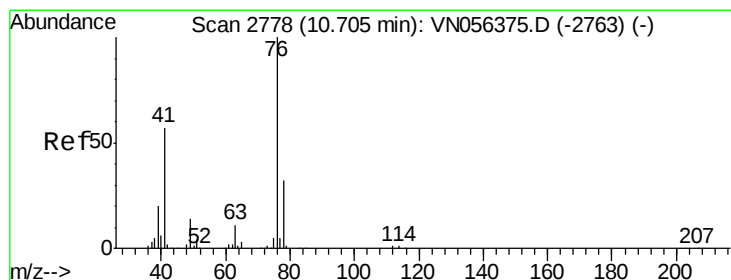
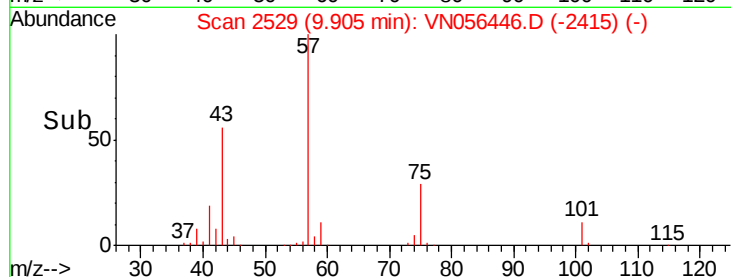
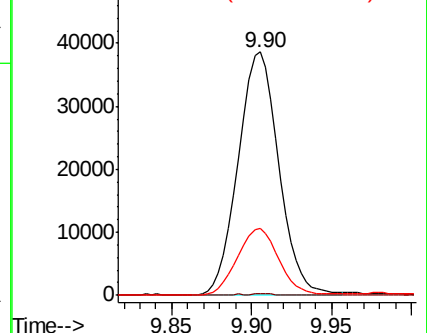
39 27.3 34.2 51.4#



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



#57

1,3-Dichloropropane

Concen: 2.080 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056446.D

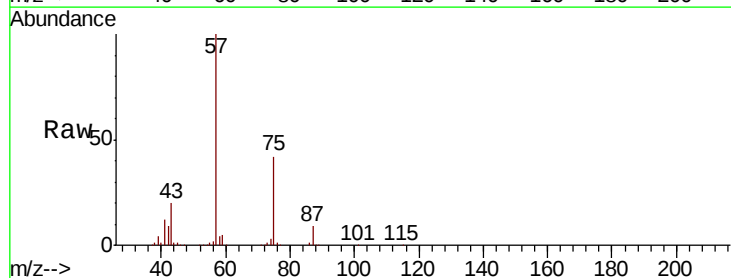
Acq: 24 Jun 2019 11:28

Tgt Ion: 76 Resp: 14883

Ion Ratio Lower Upper

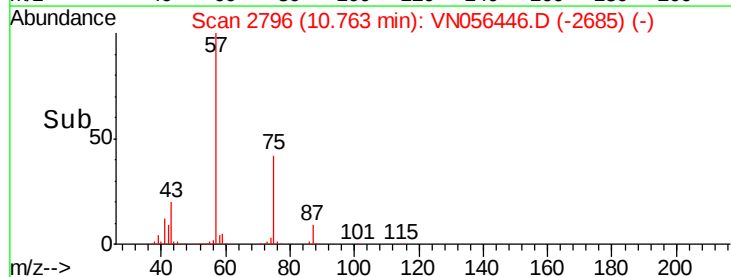
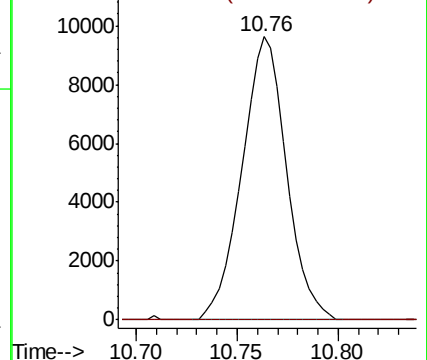
76 100

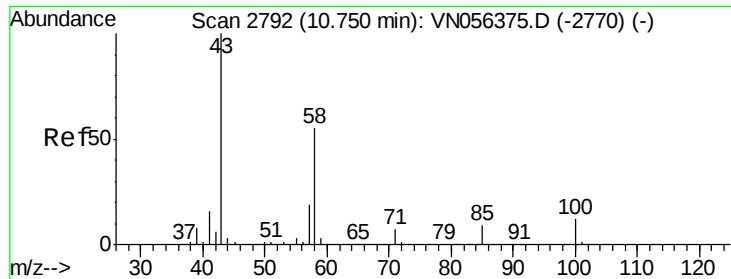
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 50.945 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

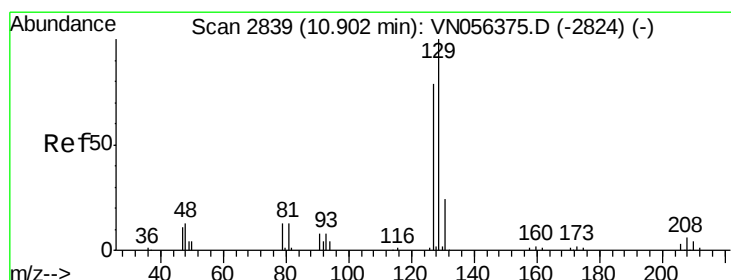
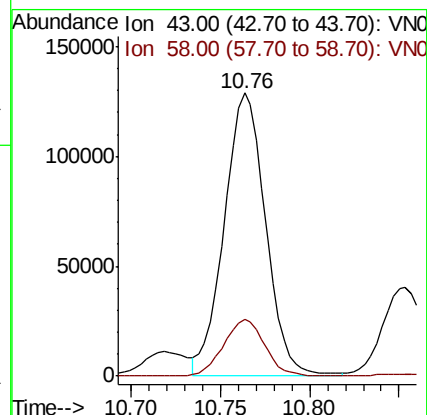
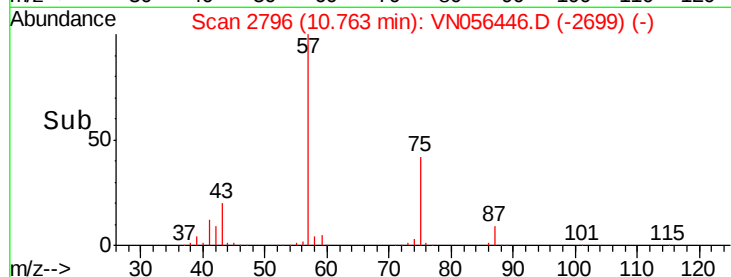
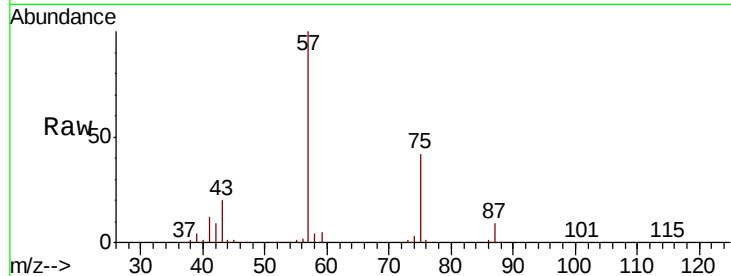
PB120834ZHE#01

Tot Ion: 43 Resp: 206324

Ion Ratio Lower Upper

43 100

58 20.3 27.8 83.4#



#60

Dibromochloromethane

Concen: 2.445 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN056446.D

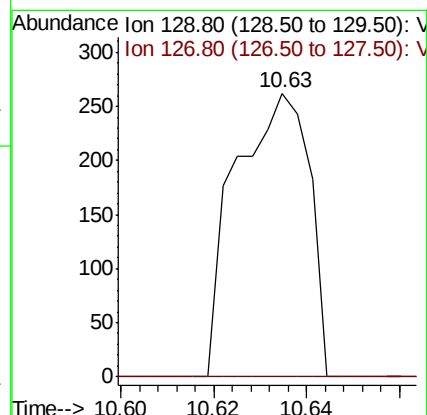
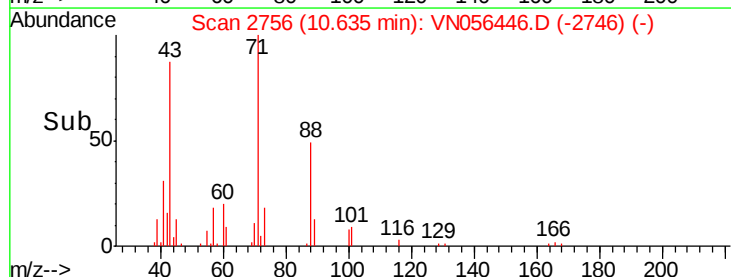
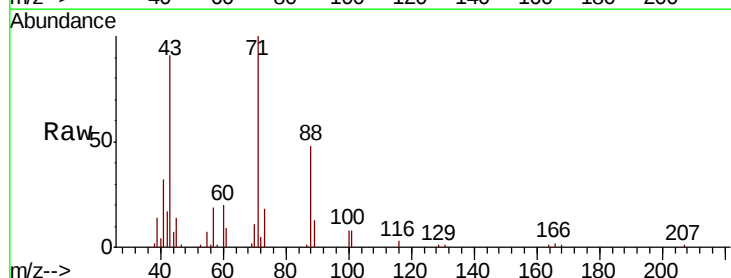
Acq: 24 Jun 2019 11:28

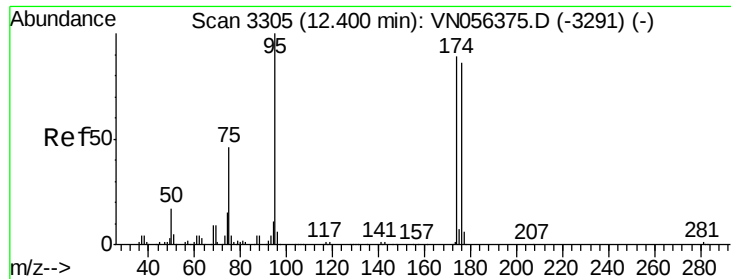
Tgt Ion: 129 Resp: 290

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 49.654 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

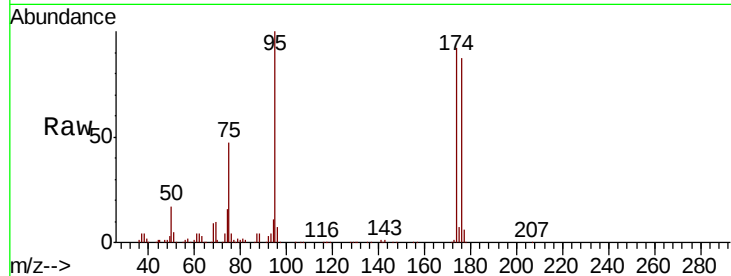
Tot Ion: 95 Resp: 257183

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.4

176 87.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)

12.40

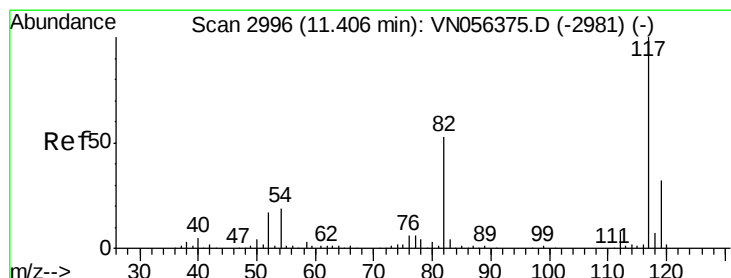
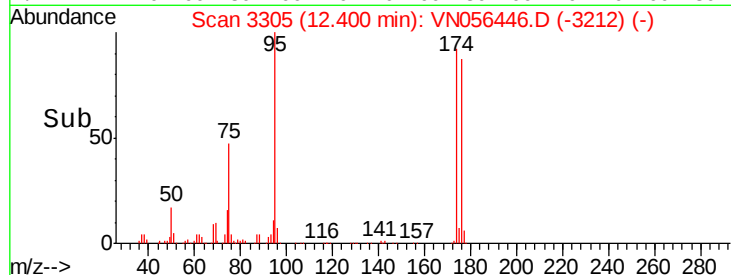
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

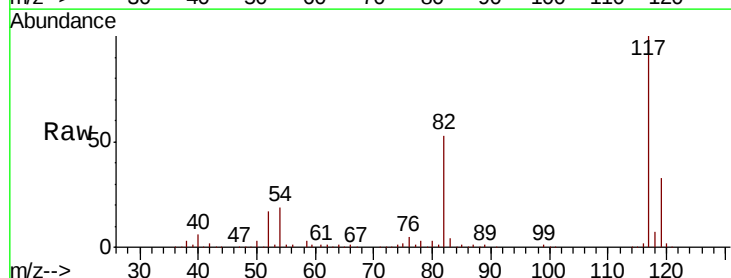
Tgt Ion: 117 Resp: 634453

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

119 32.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN056375.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN056375.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN056375.D (-2981) (-)

11.41

400000

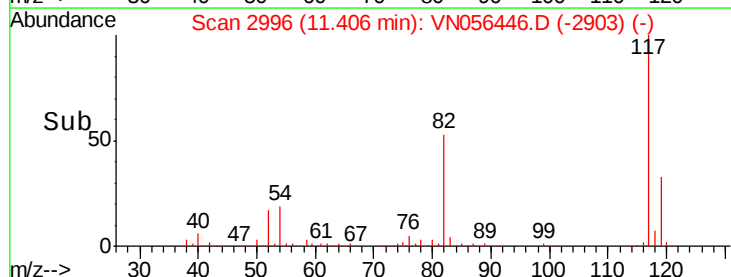
300000

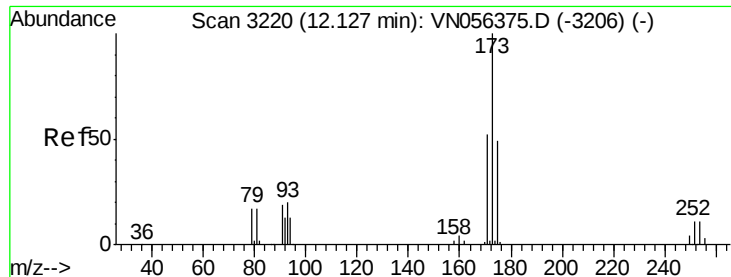
200000

100000

0

Time-->





#71

Bromoform

Concen: 3.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

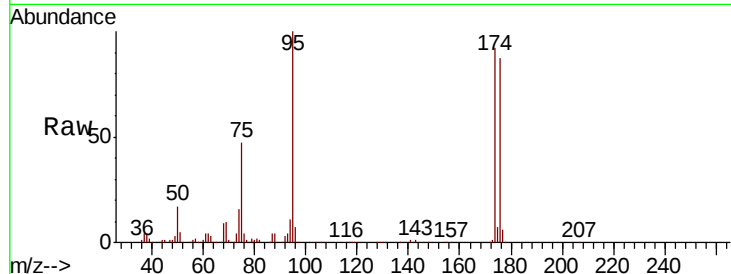
Tot Ion:173 Resp: 1939

Ion Ratio Lower Upper

173 100

175 755.2 24.4 73.4#

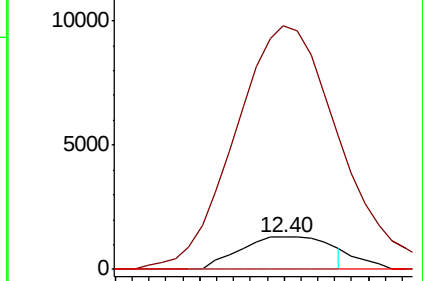
254 0.0 0.0 0.0



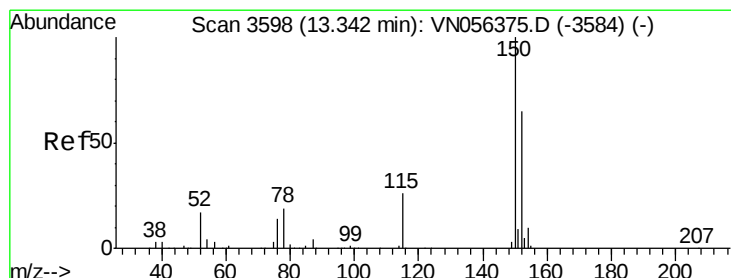
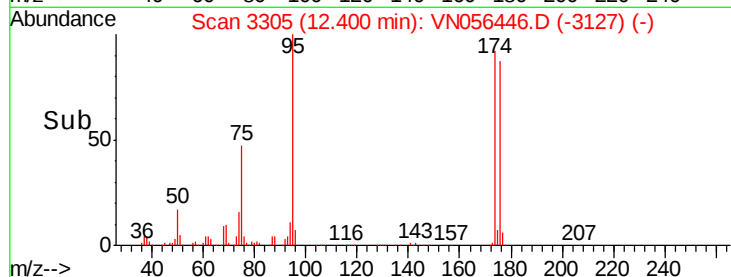
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40 12.42



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

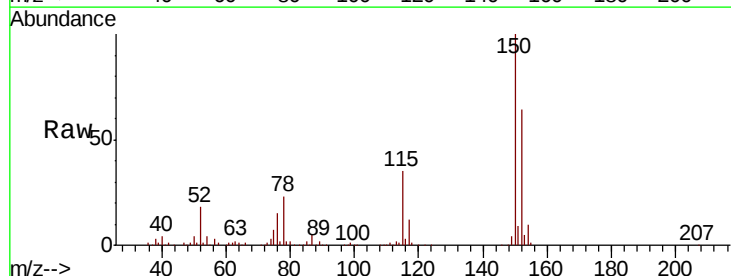
Tgt Ion:152 Resp: 183989

Ion Ratio Lower Upper

152 100

115 54.5 28.1 84.4

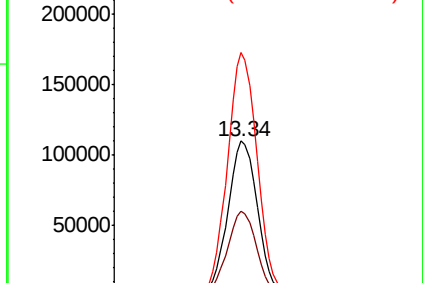
150 156.4 0.0 348.4



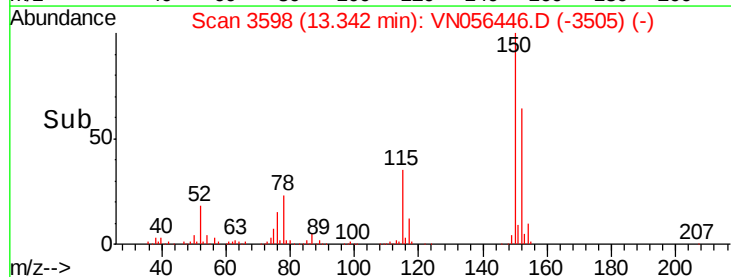
Abundance Ion 151.90 (151.60 to 152.60): V

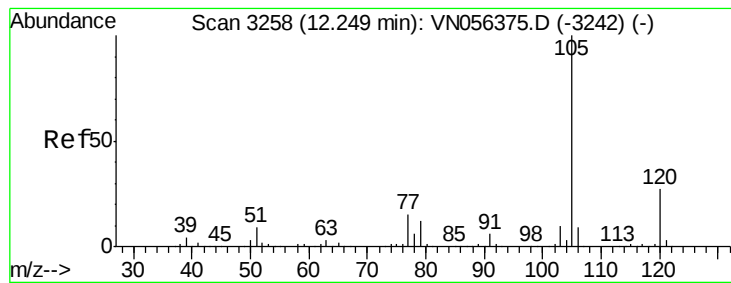
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

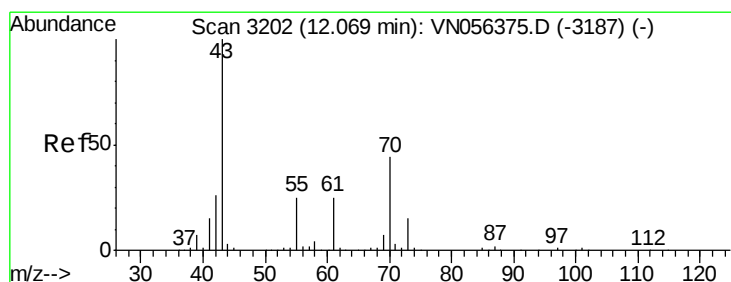
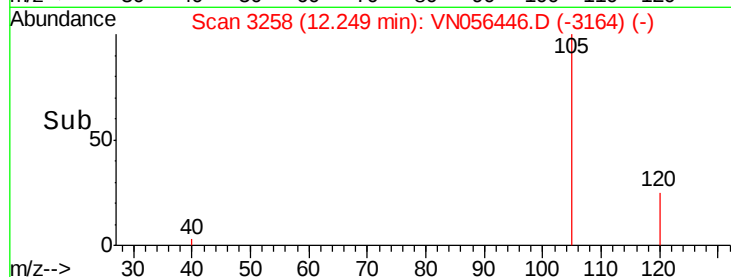
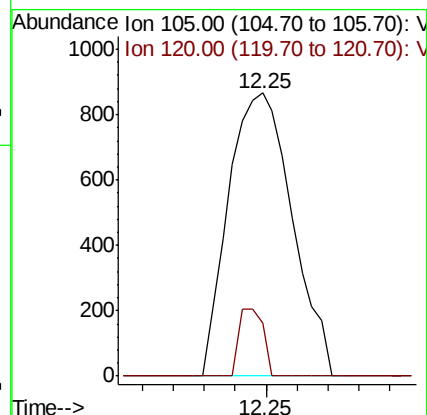
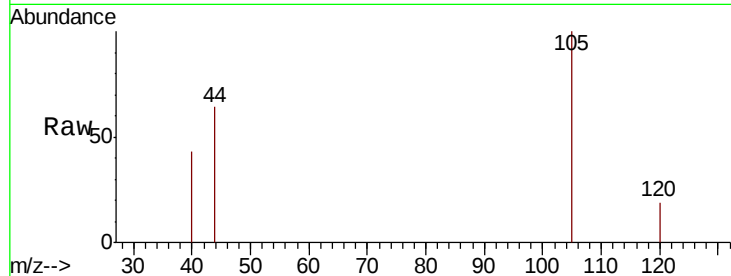
PB120834ZHE#01

Tot Ion:105 Resp: 1241

Ion Ratio Lower Upper

105 100

120 8.9 13.4 40.2#



#74

N-ethyl acetate

Concen: 0.244 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Tgt Ion: 43 Resp: 1427

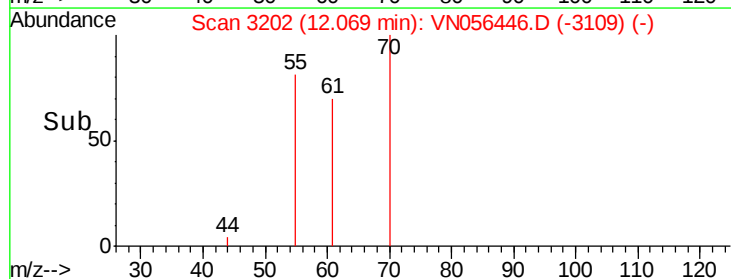
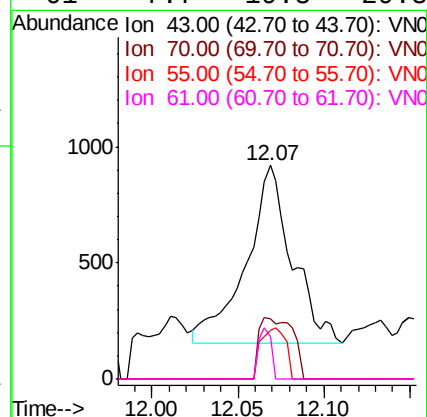
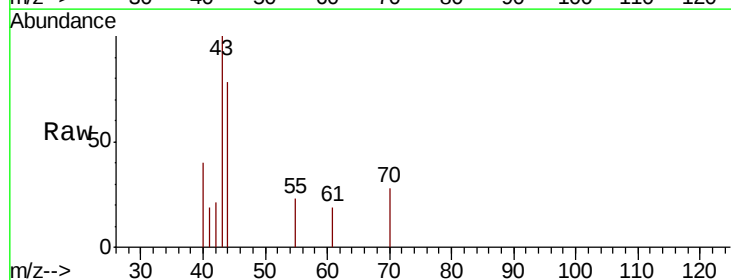
Ion Ratio Lower Upper

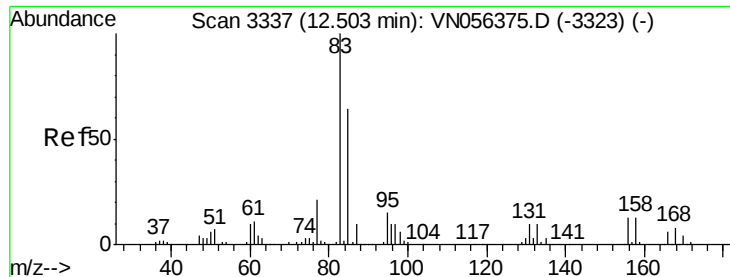
43 100

70 24.8 34.9 52.3#

55 15.3 20.4 30.6#

61 7.7 19.8 29.8#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

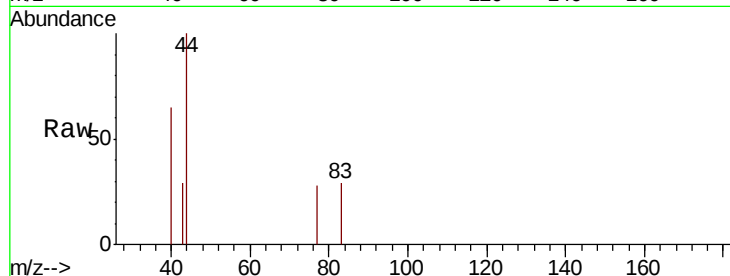
Tot Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

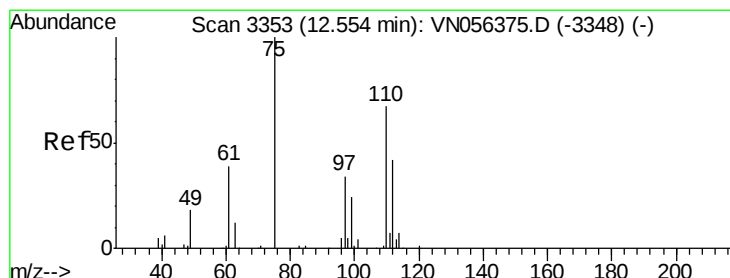
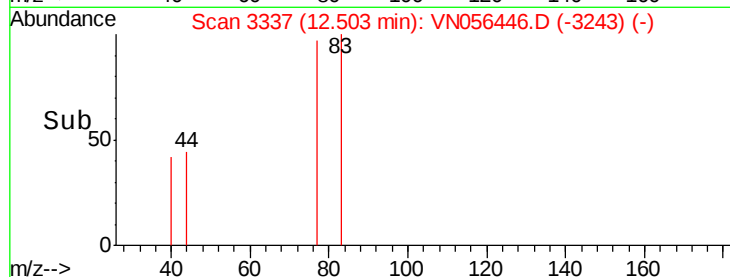
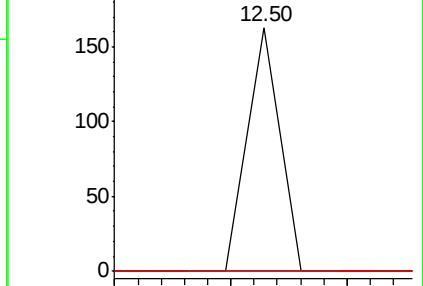
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.725 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056446.D

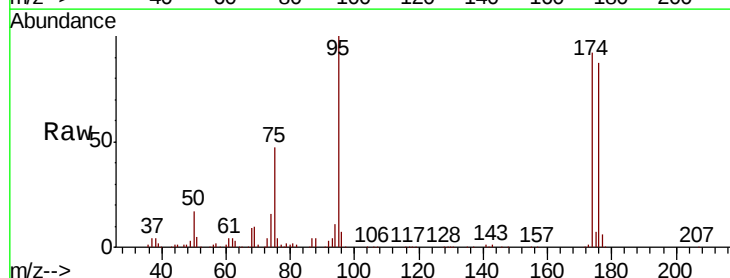
Acq: 24 Jun 2019 11:28

Tgt Ion: 75 Resp: 121032

Ion Ratio Lower Upper

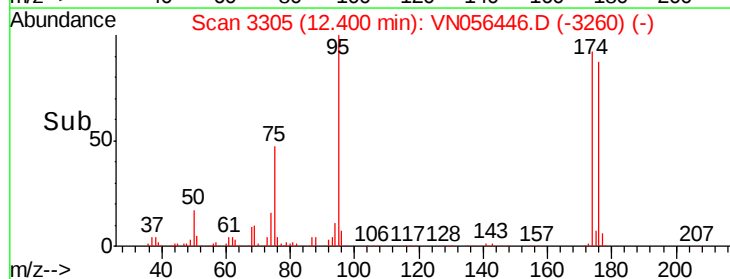
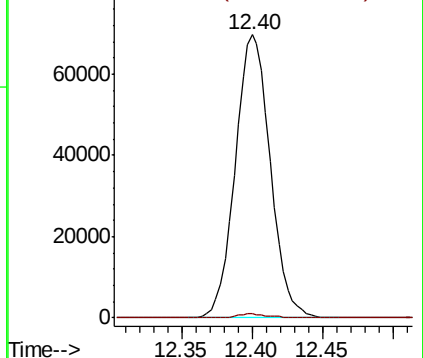
75 100

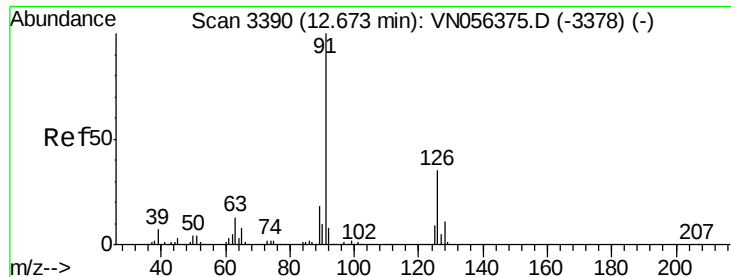
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

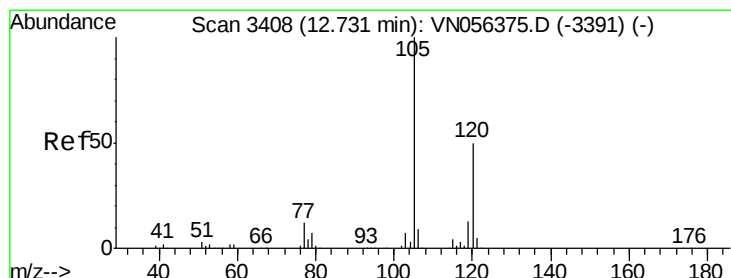
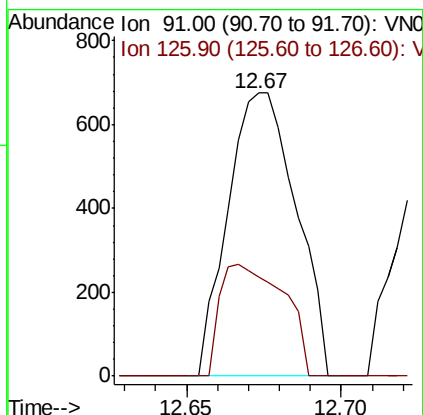
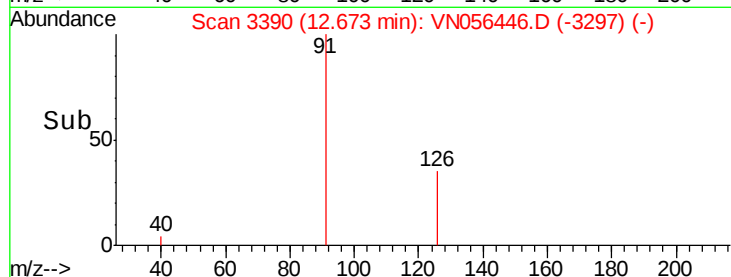
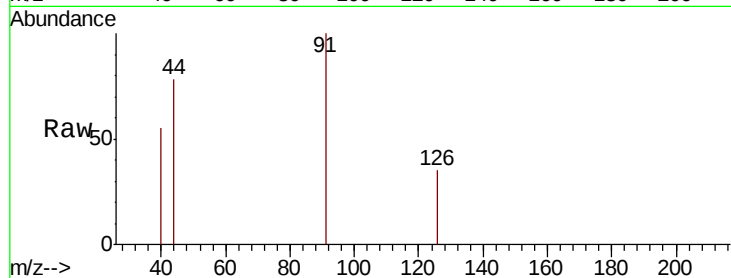
PB120834ZHE#01

Tot Ion: 91 Resp: 1033

Ion Ratio Lower Upper

91 100

126 37.1 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056446.D

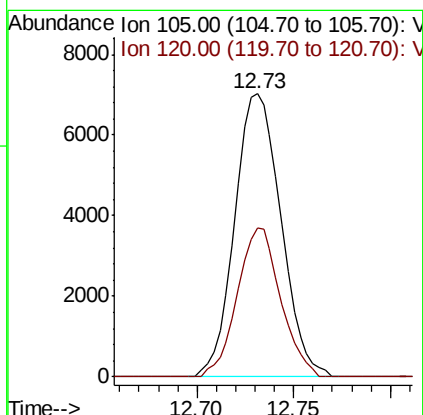
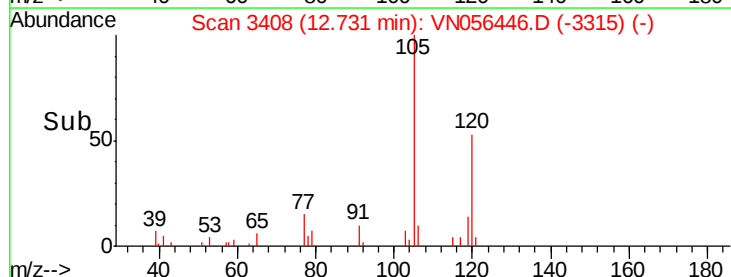
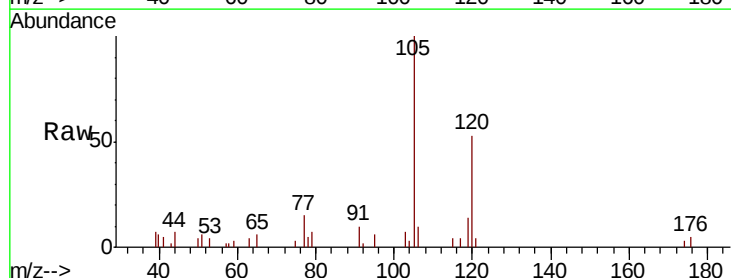
Acq: 24 Jun 2019 11:28

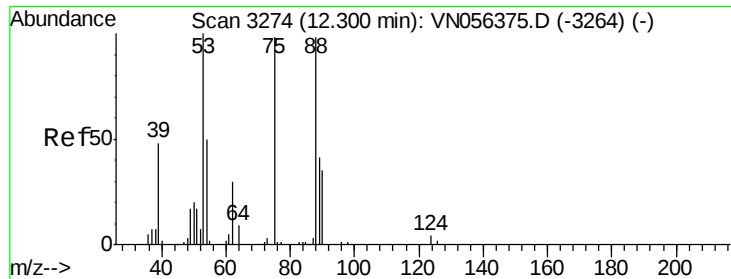
Tgt Ion: 105 Resp: 11678

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 112.755 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

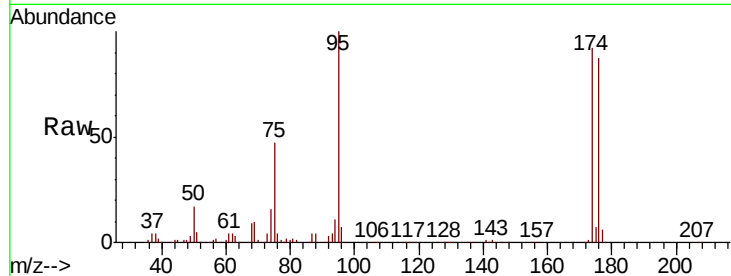
Tot Ion: 75 Resp: 121032

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

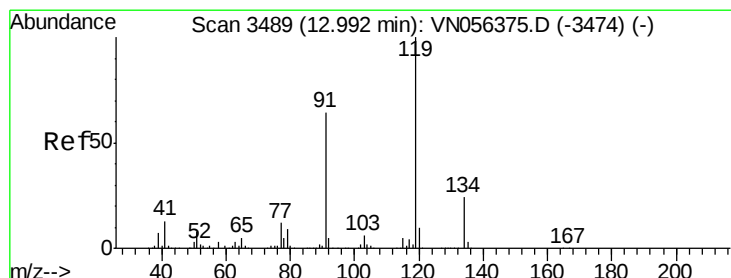
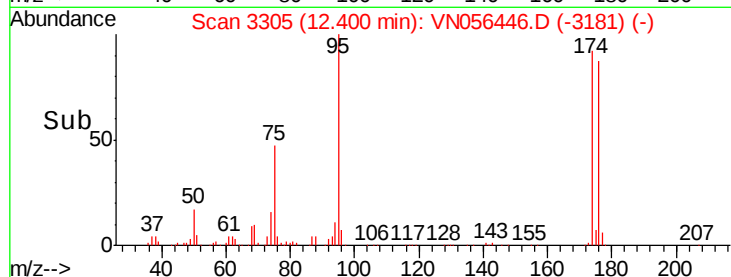
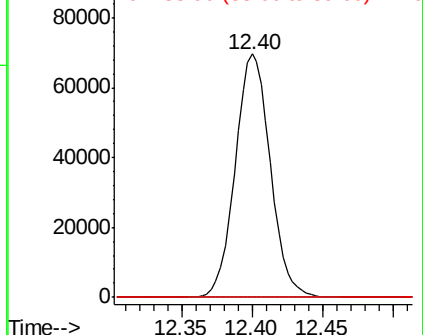
89 0.0 35.0 52.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

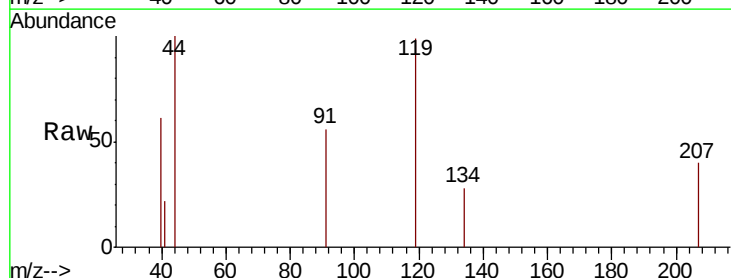
Tgt Ion: 119 Resp: 1042

Ion Ratio Lower Upper

119 100

91 62.8 31.6 94.7

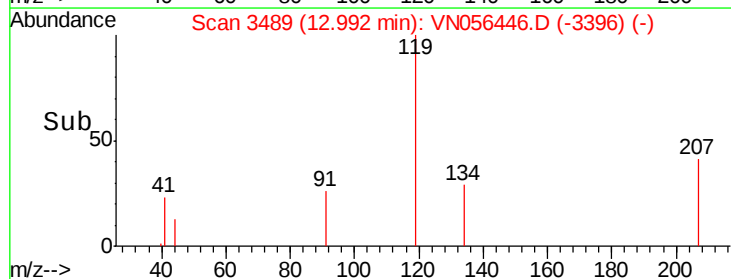
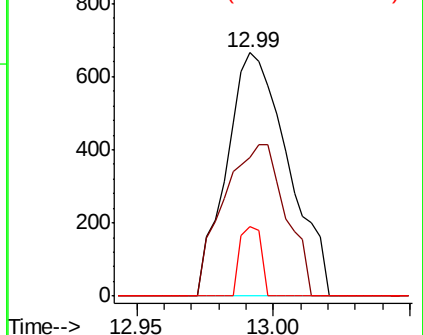
134 9.9 13.2 39.5#

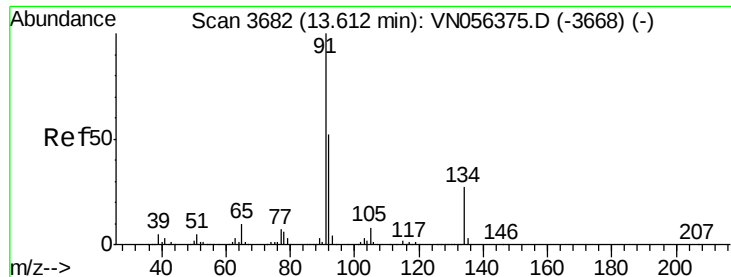


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.254 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

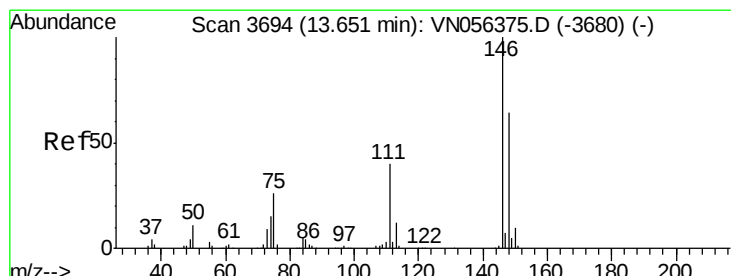
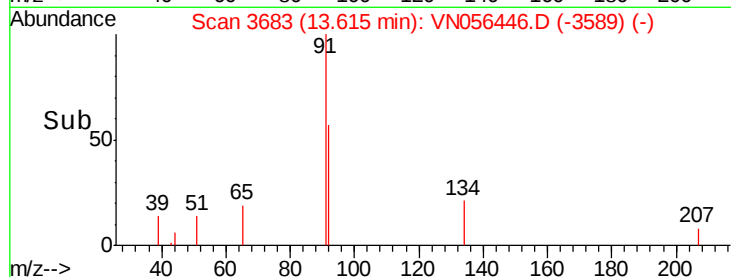
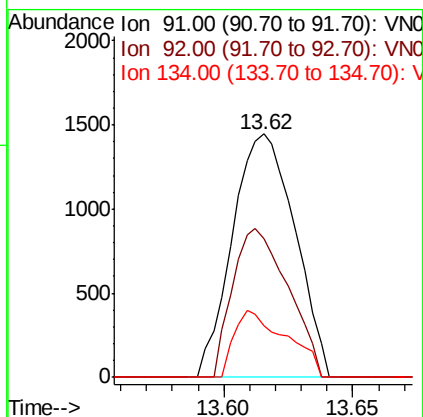
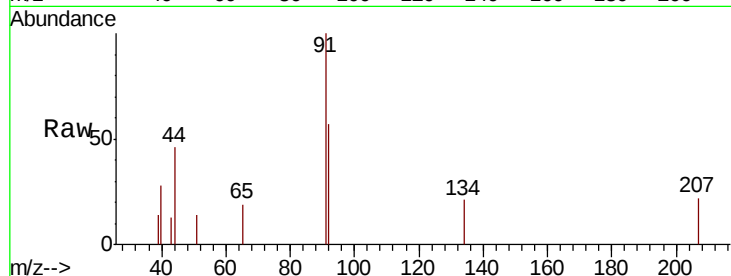
Tot Ion: 91 Resp: 2441

Ion Ratio Lower Upper

91 100

92 54.6 26.2 78.5

134 23.0 13.4 40.2



#91

1,2-Dichlorobenzene

Concen: 0.232 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

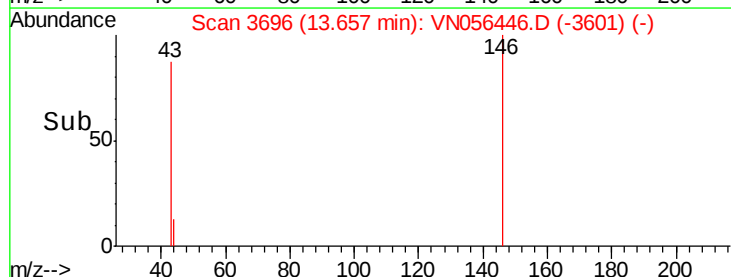
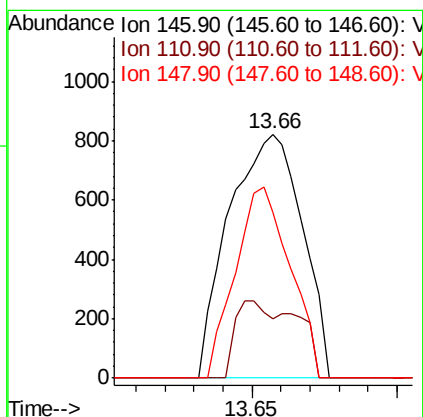
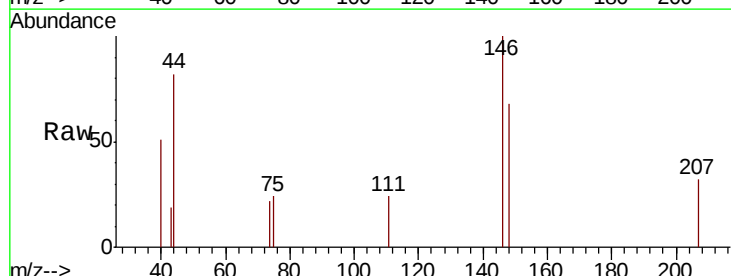
Tgt Ion: 146 Resp: 1437

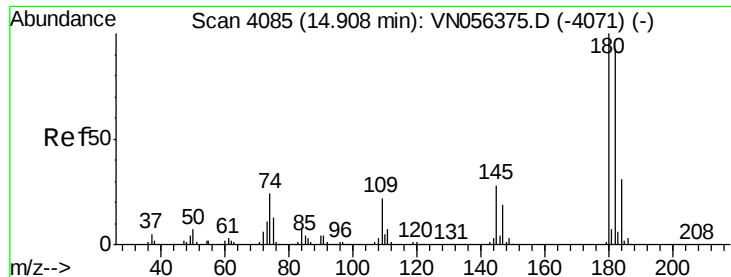
Ion Ratio Lower Upper

146 100

111 15.3 19.3 57.9#

148 58.7 32.0 96.0

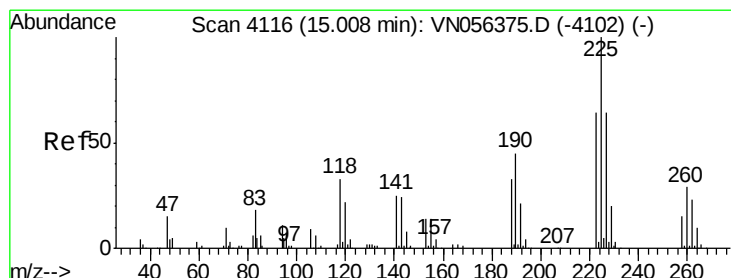
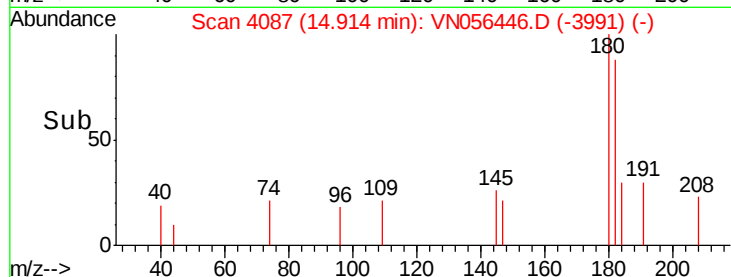
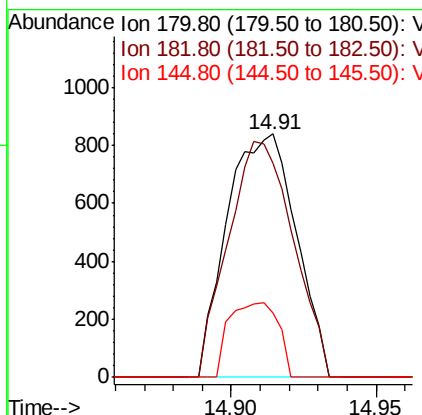
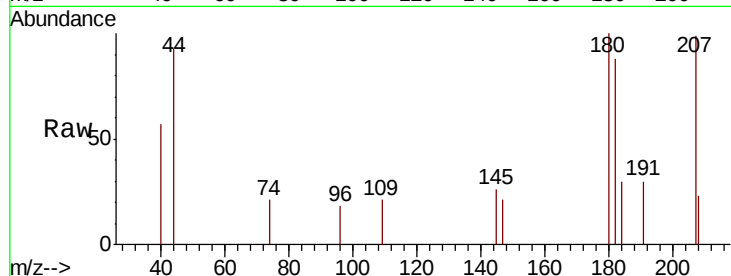




#93
 1,2,4-Trichlorobenzene
 Concen: 5.997 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

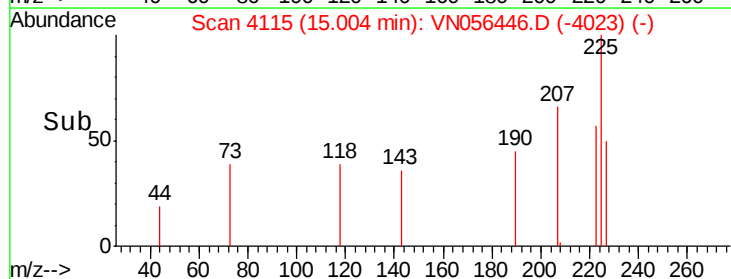
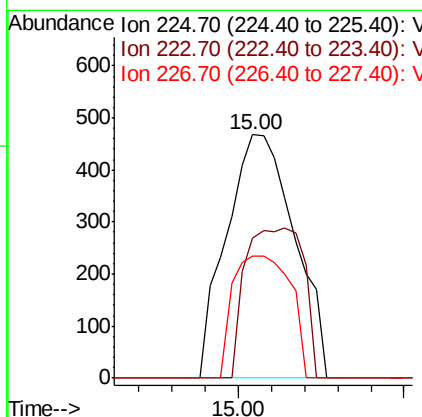
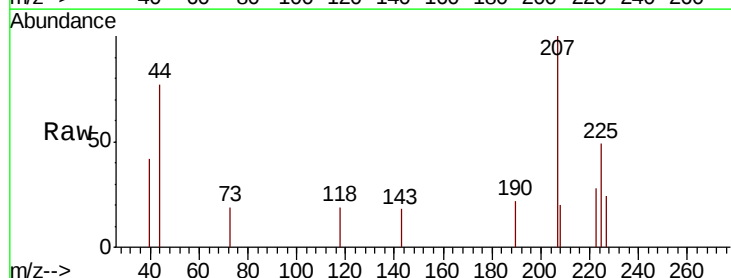
Instrument :
 MSVOA_N
 ClientSampleId :
 PB120834ZHE#01

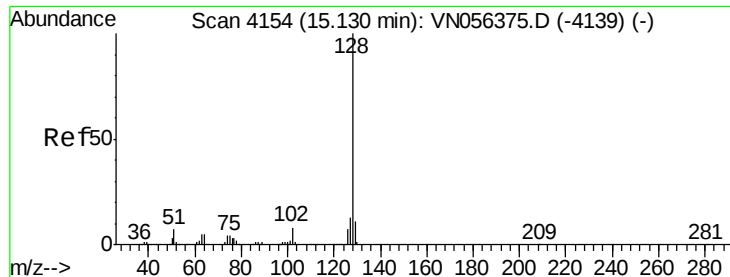
Tot Ion:180 Resp: 1388
 Ion Ratio Lower Upper
 180 100
 182 91.3 46.9 140.6
 145 21.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056446.D
 Acq: 24 Jun 2019 11:28

Tgt Ion:225 Resp: 668
 Ion Ratio Lower Upper
 225 100
 223 52.5 31.4 94.3
 227 42.4 32.1 96.3





#95

Naphthalene

Concen: 5.708 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

PB120834ZHE#01

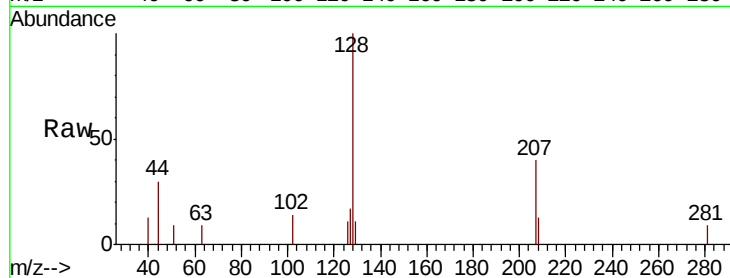
Tot Ion:128 Resp: 4355

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

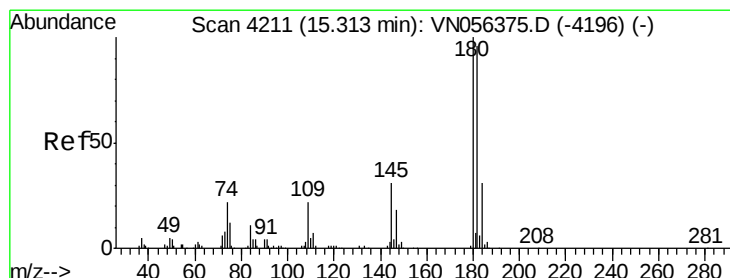
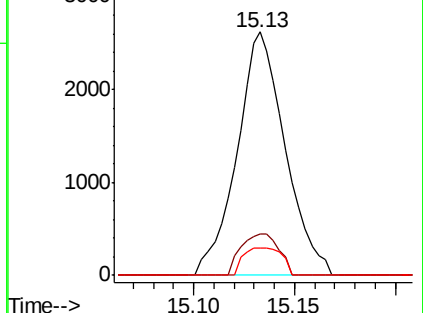
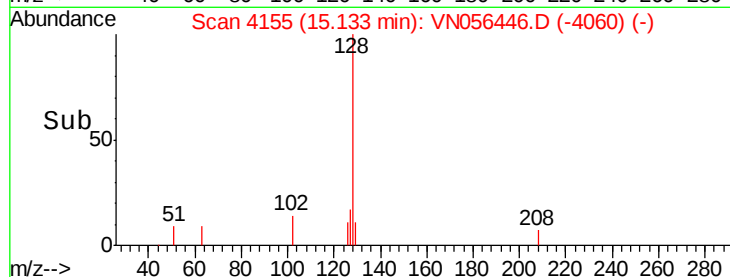
129 9.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.986 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056446.D

Acq: 24 Jun 2019 11:28

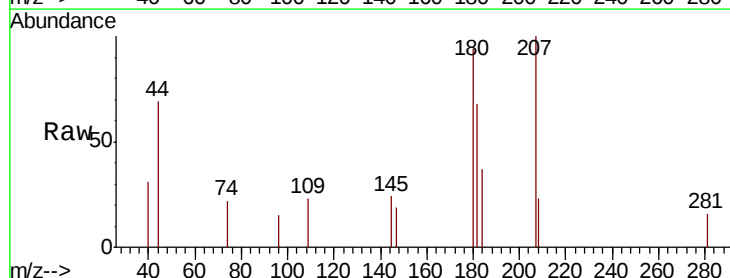
Tgt Ion:180 Resp: 1851

Ion Ratio Lower Upper

180 100

182 83.0 48.3 144.8

145 28.0 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

