

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057009.D
 Acq On : 31 Jul 2019 13:08
 Operator : JC/SP
 Sample : PB121844ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#05

Quant Time: Aug 01 01:19:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	575034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	844469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	724494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217960	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	286338	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.58	113	258285	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.08	98	1014227	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.40	95	277132	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	

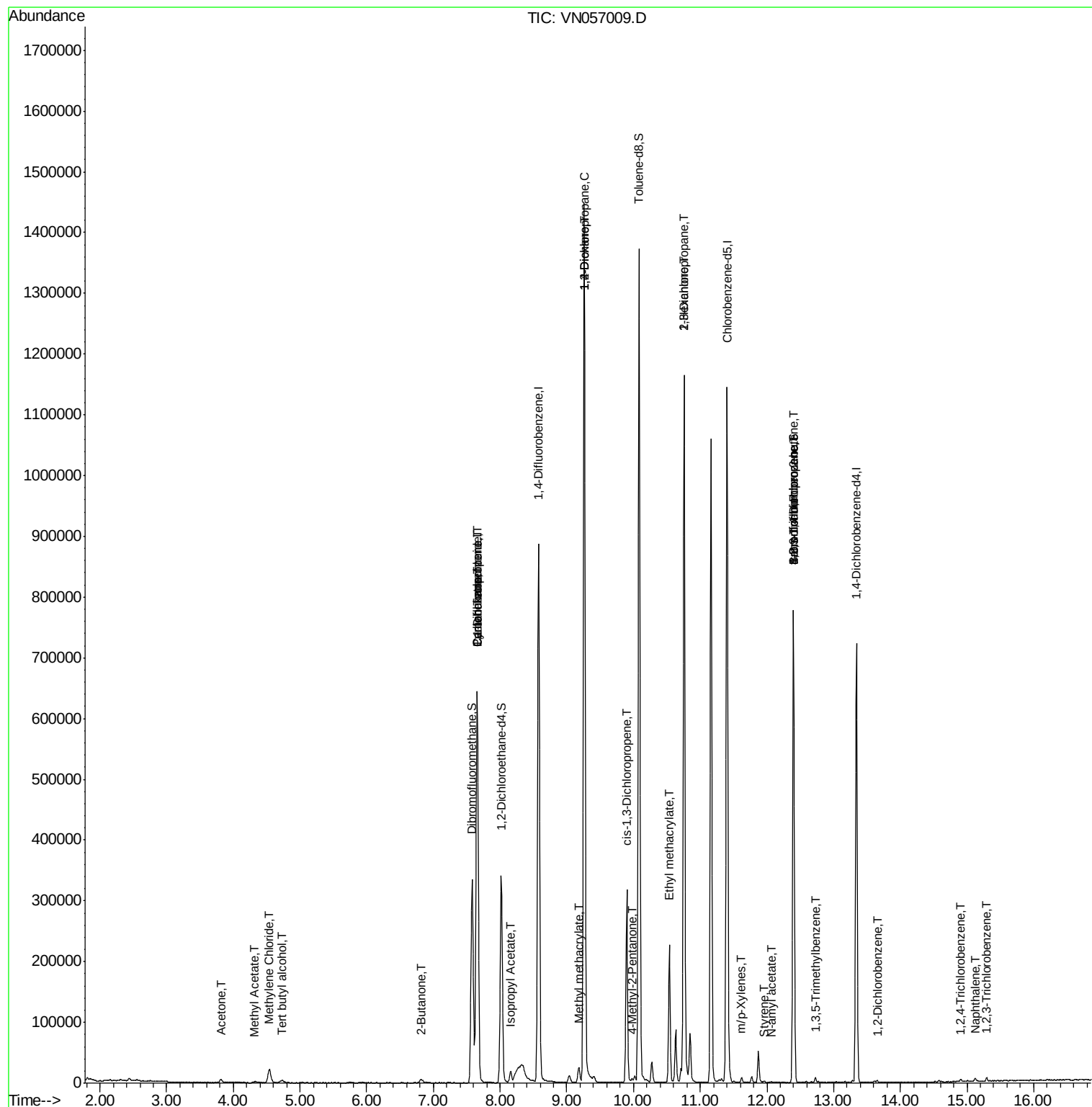
Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	4818	6.056	ug/l #	74
16) Acetone	3.81	43	9156	4.294	ug/l	98
18) Methyl Acetate	4.32	43	2604	0.383	ug/l #	78
20) Methylene Chloride	4.54	84	18347	2.987	ug/l	95
25) 2-Butanone	6.83	43	1061	0.351	ug/l #	48
31) Cyclohexane	7.66	56	8713	0.901	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35069	4.719	ug/l #	48
38) Carbon Tetrachloride	7.66	117	48155	6.851	ug/l #	17
43) Isopropyl Acetate	8.16	43	20195	2.053	ug/l	92
45) 1,2-Dichloropropane	9.26	63	1947	0.318	ug/l #	44
48) Methyl methacrylate	9.17	41	8662	1.824	ug/l #	12
49) 1,4-Dioxane	9.26	88	32	0.327	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4055	0.694	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	61077	6.974	ug/l #	63
56) Ethyl methacrylate	10.54	69	1235	1.904	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	13278	1.452	ug/l #	42
59) 2-Hexanone	10.76	43	166298	39.078	ug/l #	51
68) m/p-Xylenes	11.62	106	2640	0.280	ug/l	87
70) Styrene	11.97	104	819	1.915	ug/l #	86
71) Bromoform	12.40	173	2018	0.520	ug/l #	1
74) N-amyl acetate	12.07	43	1106	0.202	ug/l #	67
76) 1,2,3-Trichloropropane	12.40	75	126147	28.499	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4996	0.323	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	126147	91.566	ug/l #	15
91) 1,2-Dichlorobenzene	13.65	146	1501	0.204	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	1766	3.151	ug/l	88
94) Hexachlorobutadiene	15.00	225	528	Below Cal		86
95) Naphthalene	15.13	128	5250	4.114	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.29	180	2502	2.675	ug/l	92

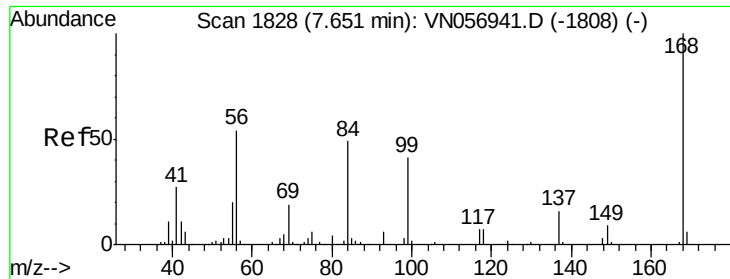
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

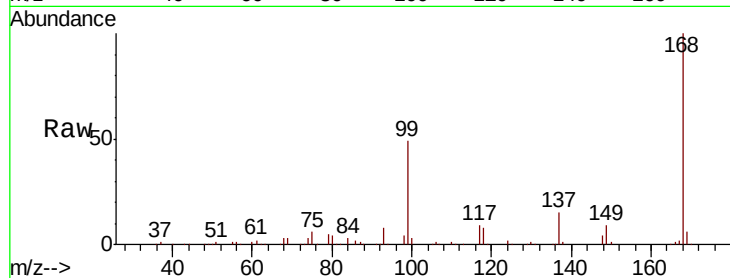
PB121844ZHE#05

Tot Ion:168 Resp: 575034

Ion Ratio Lower Upper

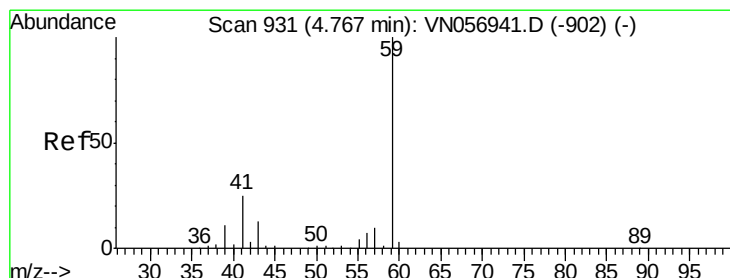
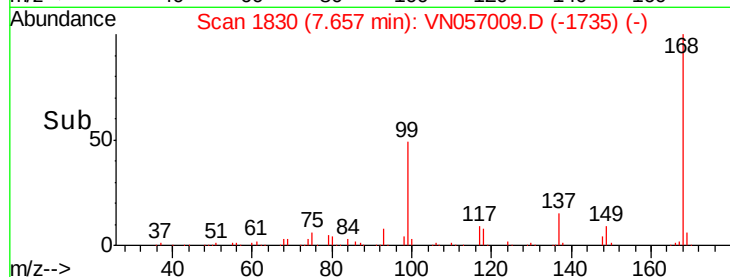
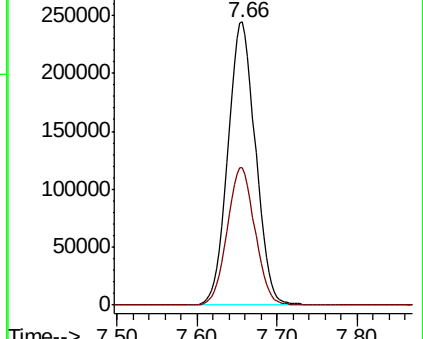
168 100

99 48.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 6.056 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.03 min

Lab File: VN057009.D

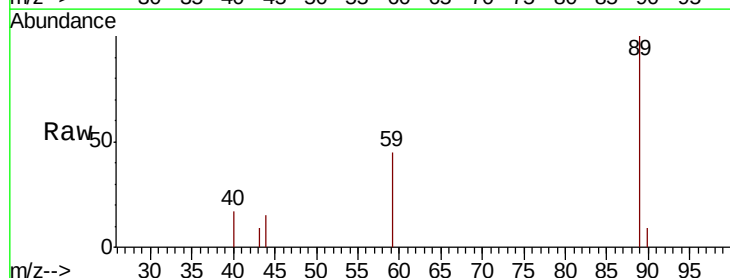
Acq: 31 Jul 2019 13:08

Tgt Ion: 59 Resp: 4818

Ion Ratio Lower Upper

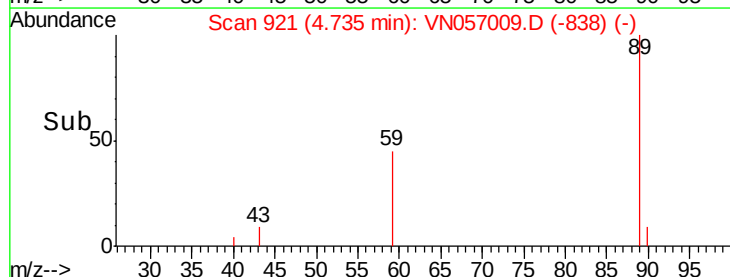
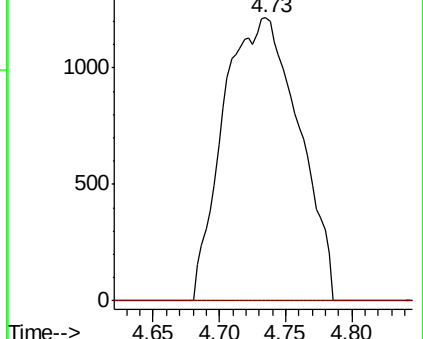
59 100

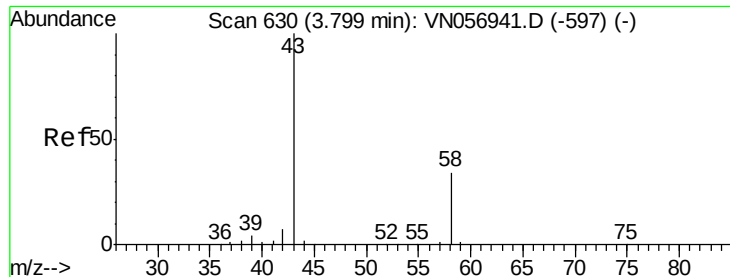
57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 4.294 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

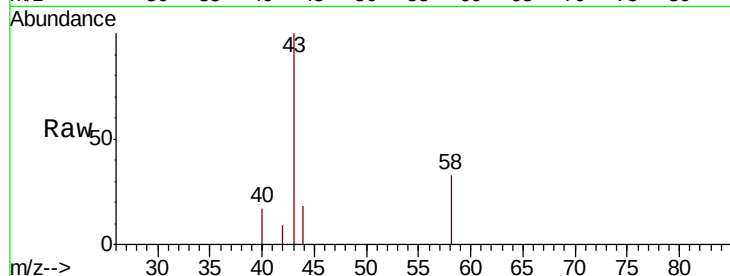
PB121844ZHE#05

Tot Ion: 43 Resp: 9156

Ion Ratio Lower Upper

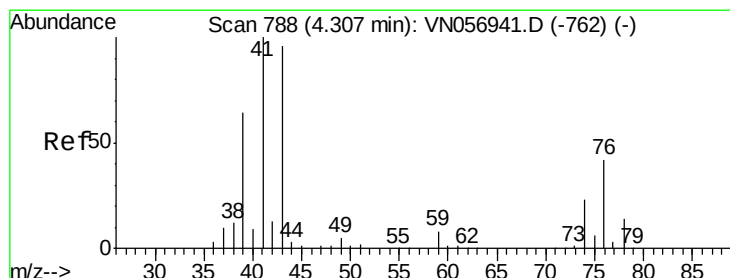
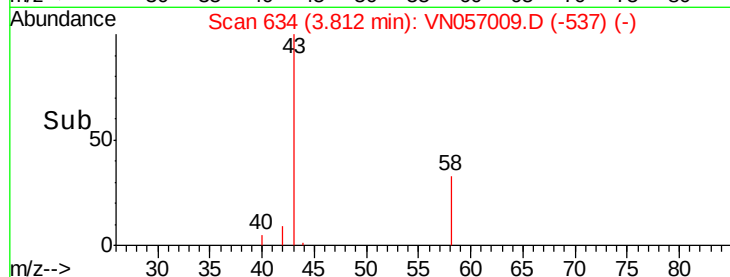
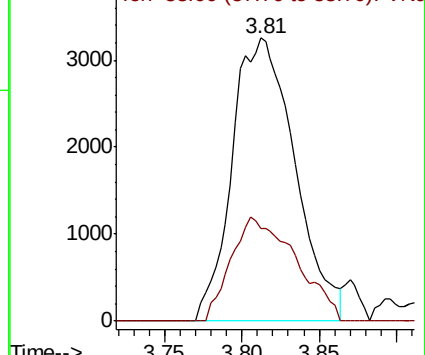
43 100

58 32.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN057009.D (-537) (-)

Ion 58.00 (57.70 to 58.70): VN057009.D (-537) (-)



#18

Methyl Acetate

Concen: 0.383 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN057009.D

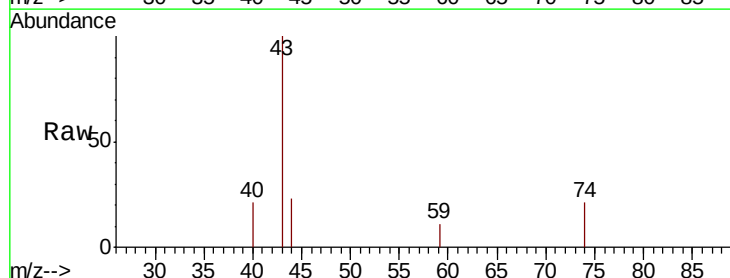
Acq: 31 Jul 2019 13:08

Tgt Ion: 43 Resp: 2604

Ion Ratio Lower Upper

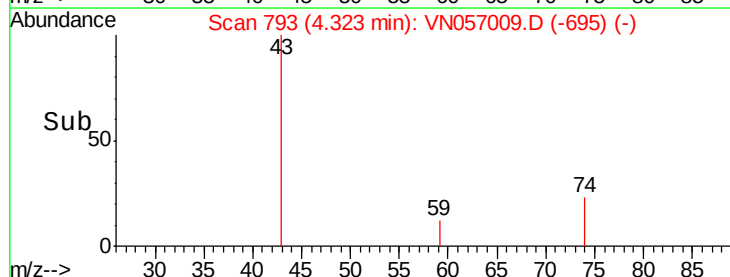
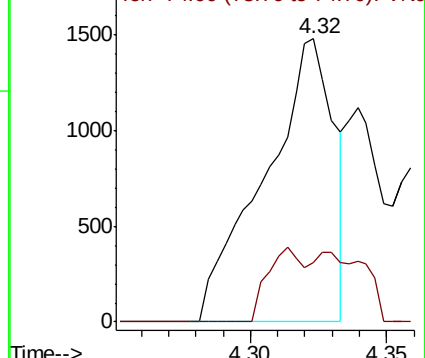
43 100

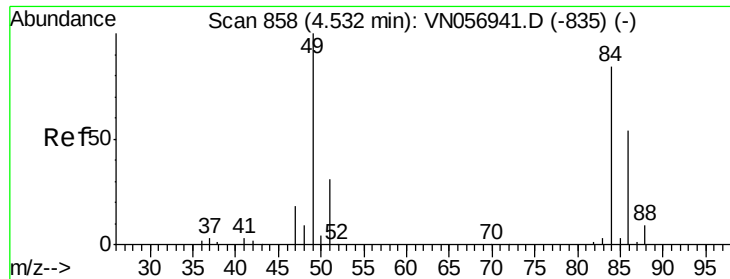
74 13.5 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN057009.D (-695) (-)

Ion 74.00 (73.70 to 74.70): VN057009.D (-695) (-)

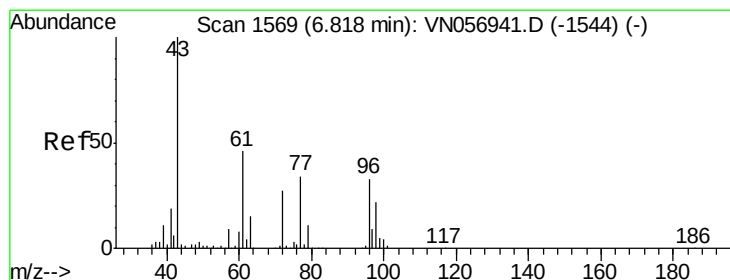
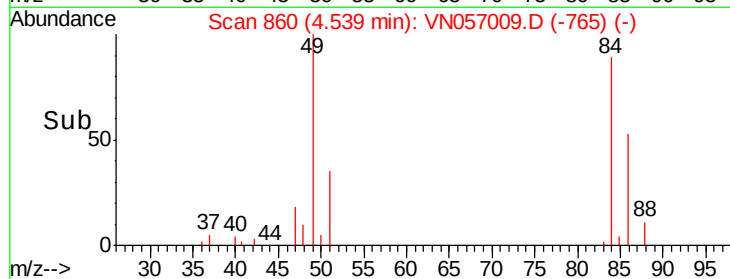
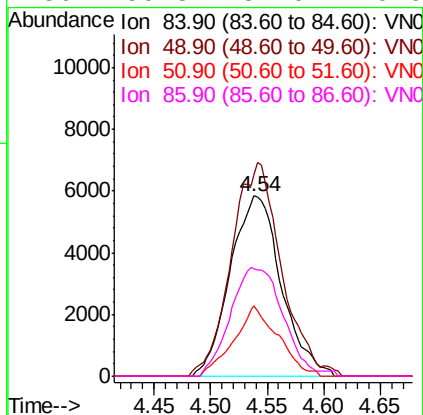
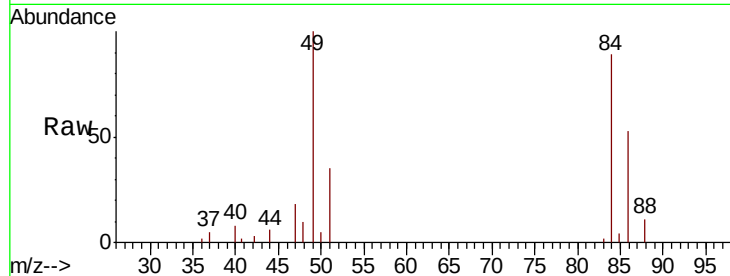




#20
Methvlene Chloride
Concen: 2.987 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

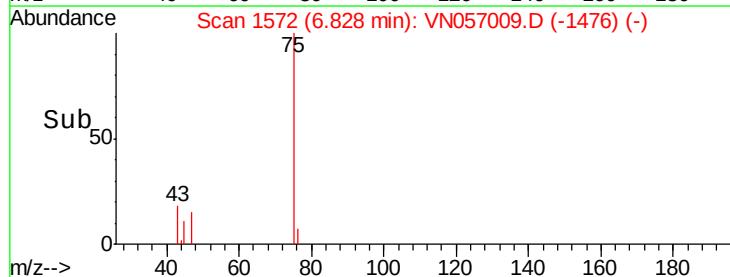
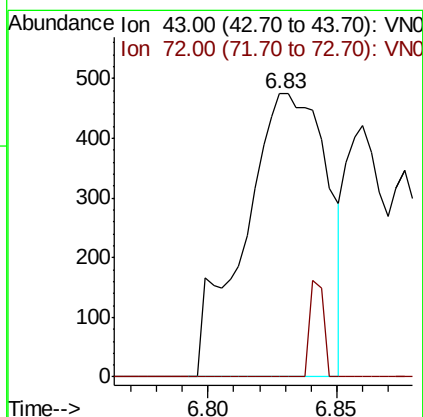
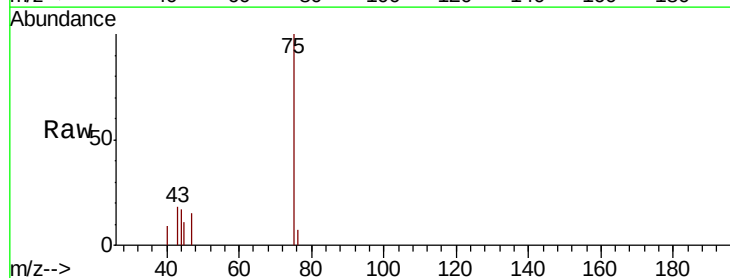
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PB121844ZHE#05

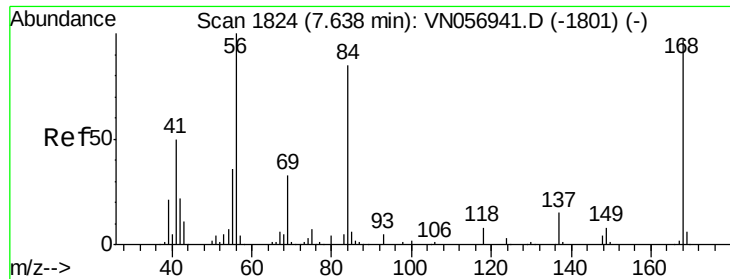
Tot Ion:	84	Resp:	18347
Ion	Ratio	Lower	Upper
84	100		
49	112.0	95.2	142.8
51	38.9	29.7	44.5
86	59.8	51.0	76.6



#25
2-Butanone
Concen: 0.351 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Tgt Ion:	43	Resp:	1061
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.5	32.3#

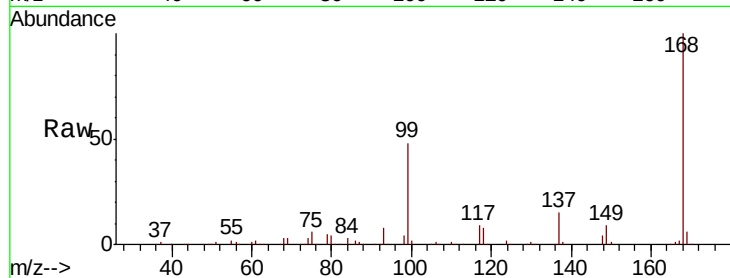




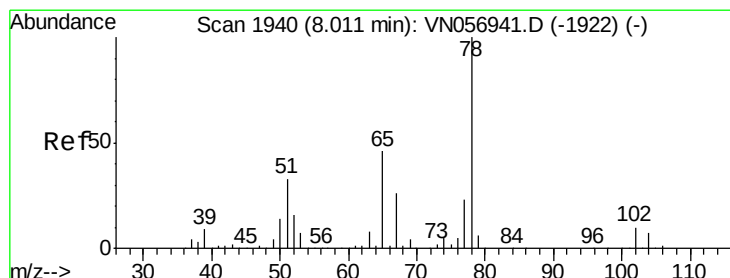
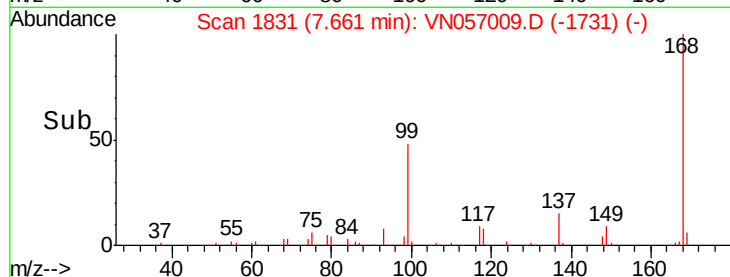
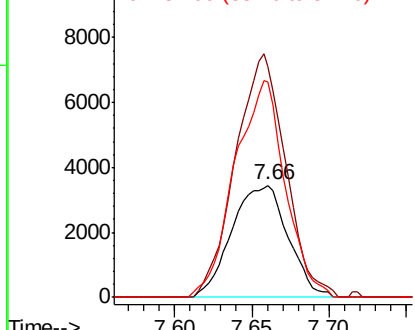
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
PB121844ZHE#05

Tot Ion: 56 Resp: 8713
Ion Ratio Lower Upper
56 100
69 206.2 26.2 39.2#
84 192.5 68.2 102.2#

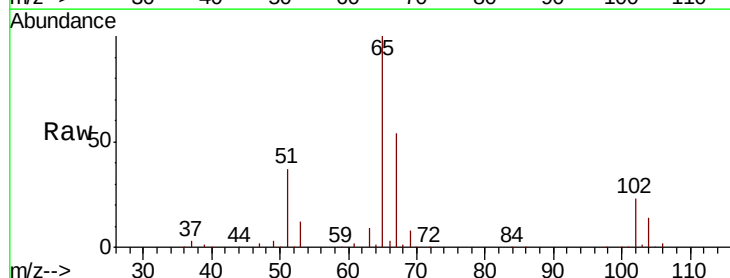


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

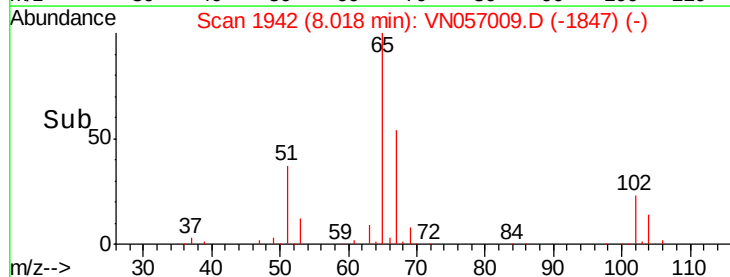
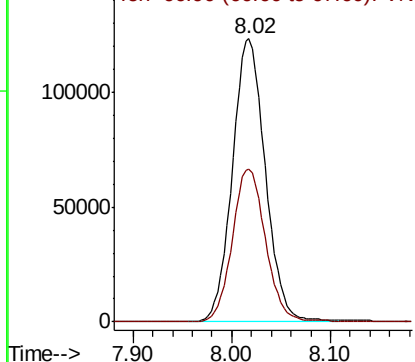


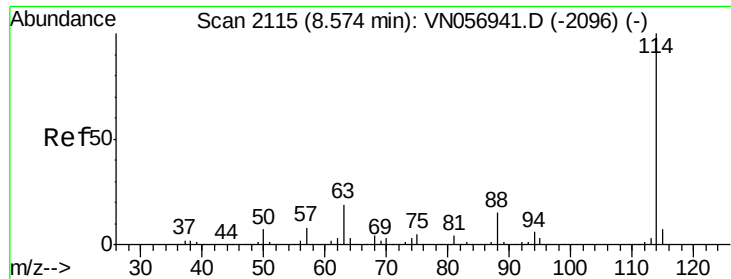
#33
1,2-Dichloroethane-d4
Concen: 48.645 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.01 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Tgt Ion: 65 Resp: 286338
Ion Ratio Lower Upper
65 100
67 54.4 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

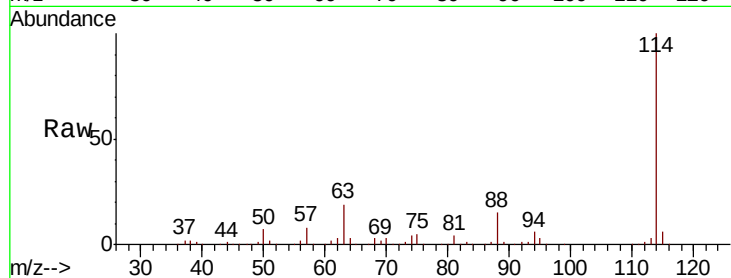




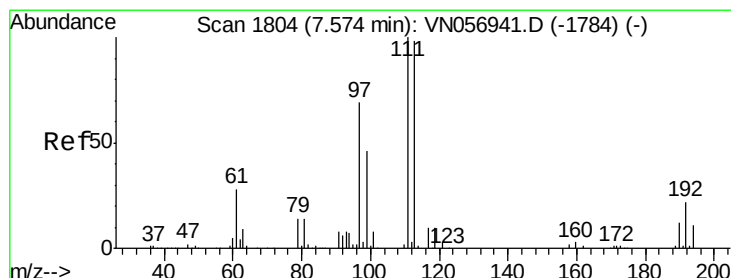
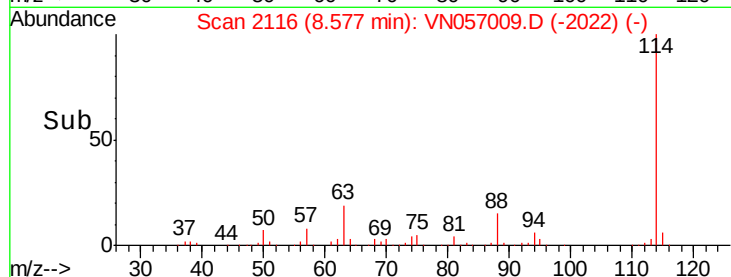
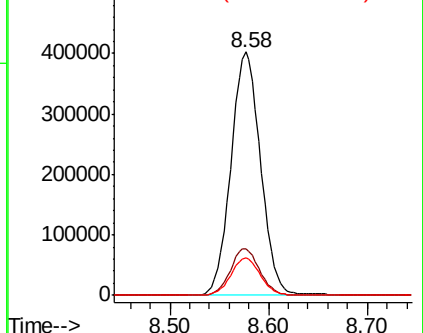
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Instrument :
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 PB121844ZHE#05

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.4	0.0	30.0

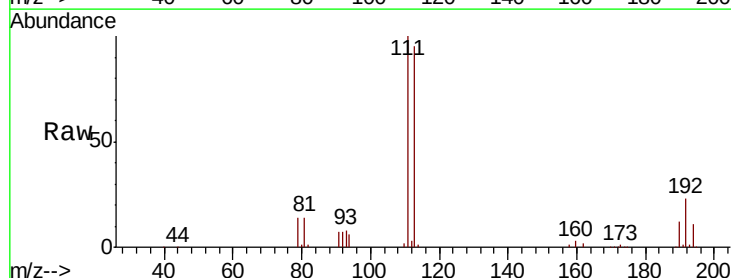


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

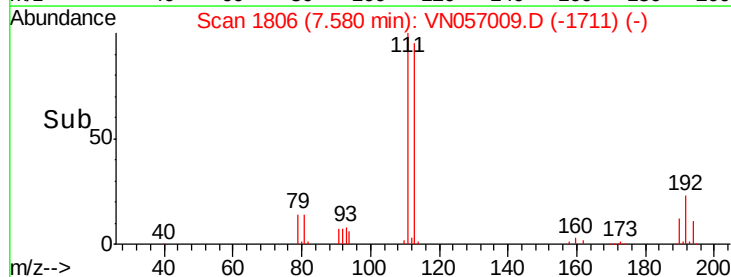
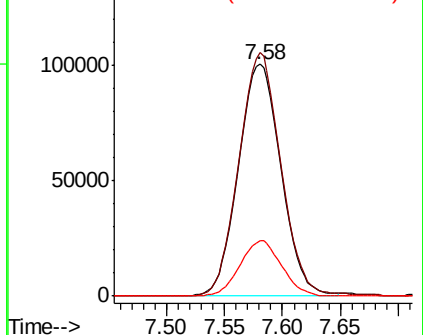


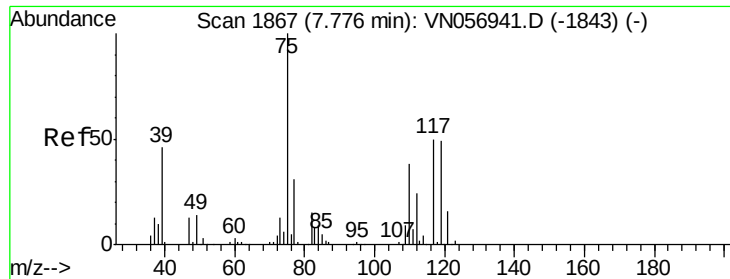
#35
 Dibromofluoromethane
 Concen: 47.777 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	23.3	18.4	27.6



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: 4.719 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

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PB121844ZHE#05

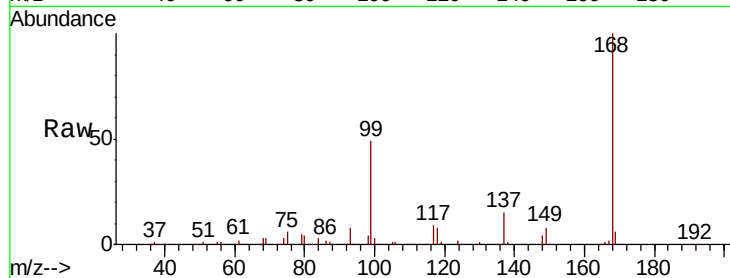
Tot Ion: 75 Resp: 35069

Ion Ratio Lower Upper

75 100

110 8.2 18.6 55.8#

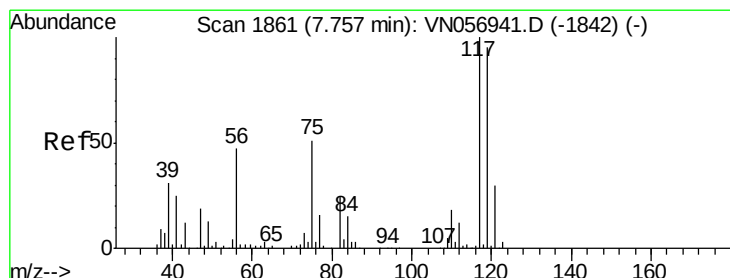
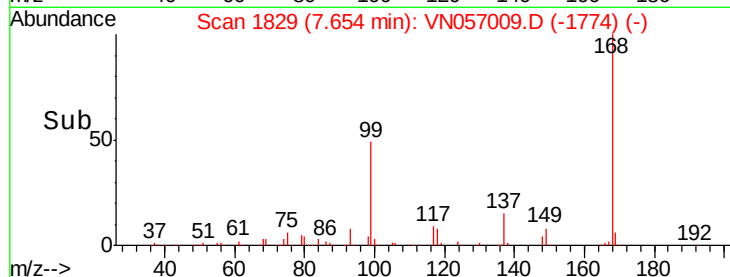
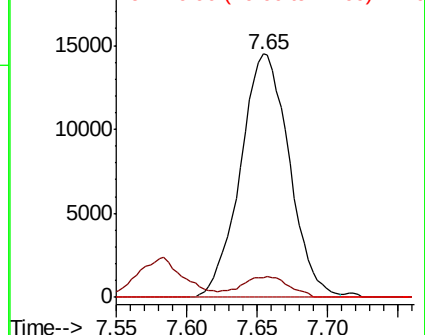
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057009.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN057009.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN057009.D (-1774) (-)



#38

Carbon Tetrachloride

Concen: 6.851 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.10 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

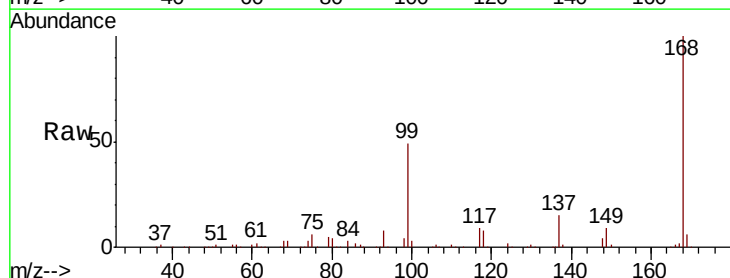
Tgt Ion: 117 Resp: 48155

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

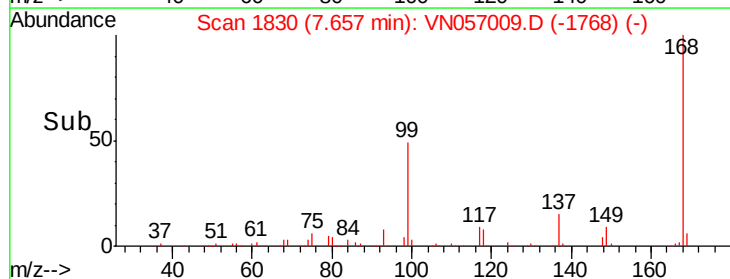
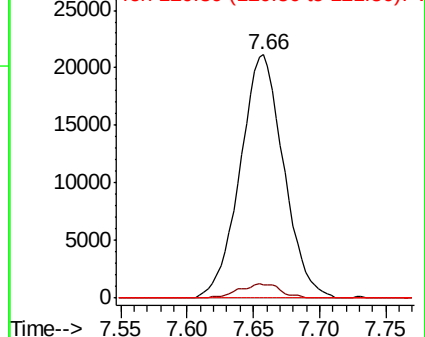
121 0.0 24.2 36.4#

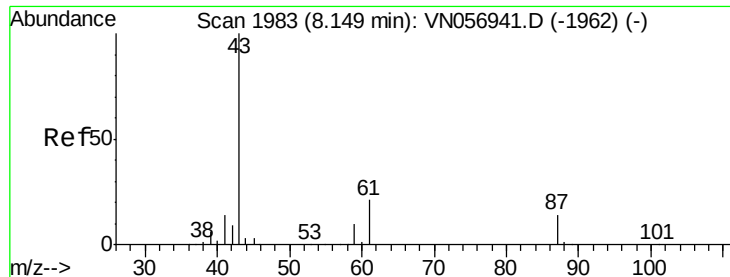


Abundance Ion 116.80 (116.50 to 117.50): VN057009.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN057009.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057009.D (-1768) (-)





#43

Isopropyl Acetate

Concen: 2.053 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

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MSVOA_N

ClientSampleId :

PB121844ZHE#05

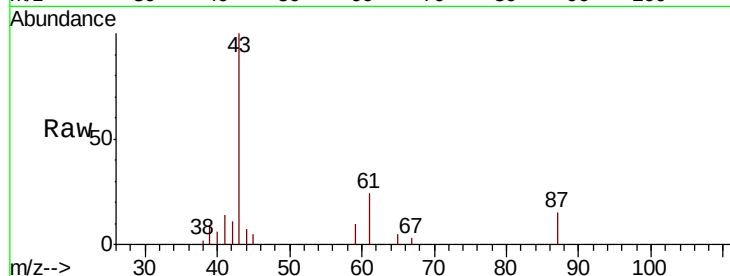
Tot Ion: 43 Resp: 20195

Ion Ratio Lower Upper

43 100

61 23.4 23.0 34.6

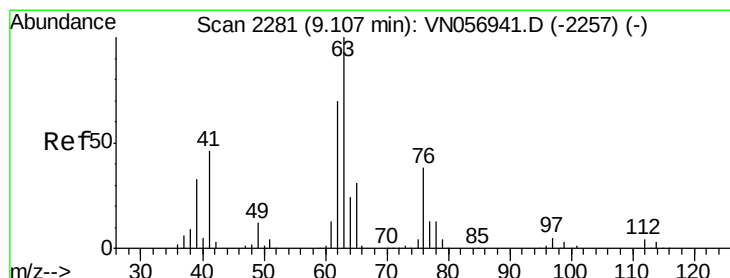
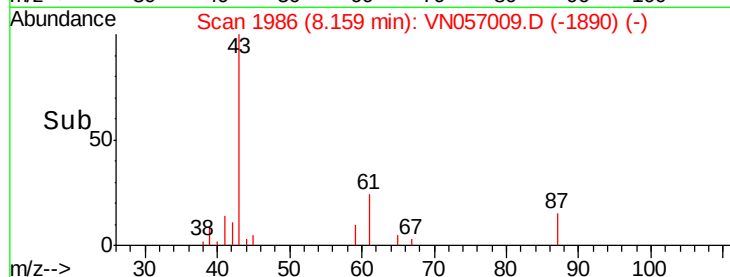
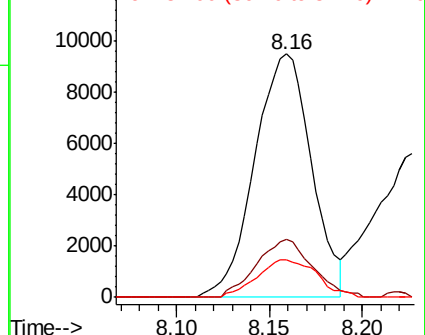
87 16.2 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.318 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN057009.D

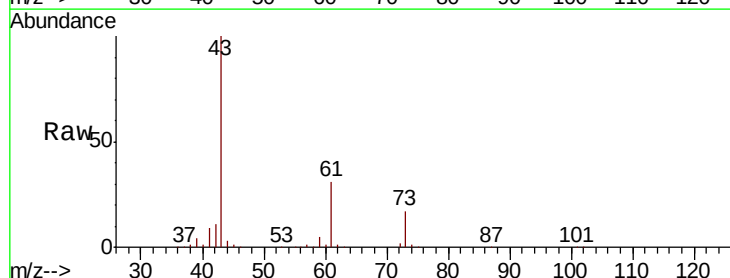
Acq: 31 Jul 2019 13:08

Tgt Ion: 63 Resp: 1947

Ion Ratio Lower Upper

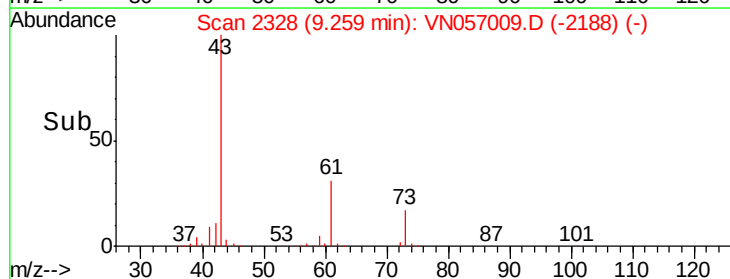
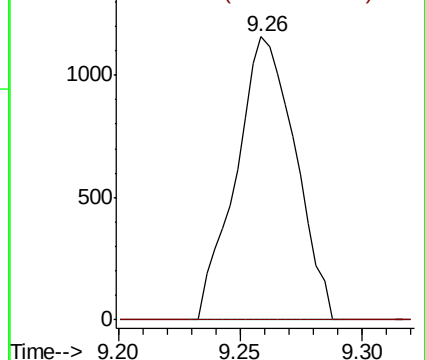
63 100

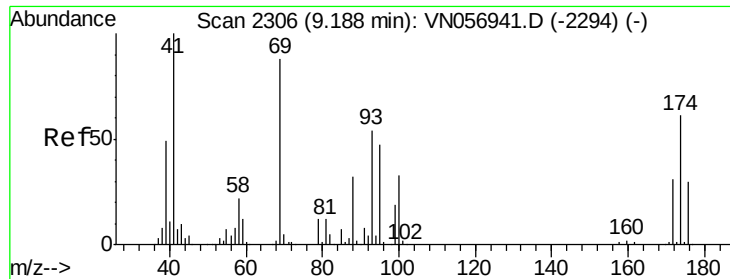
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

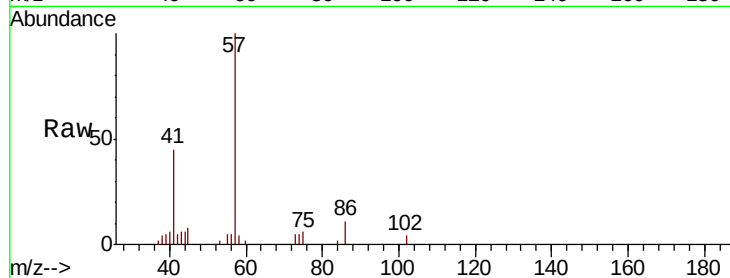




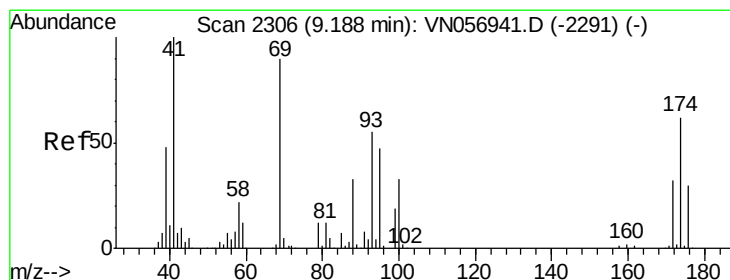
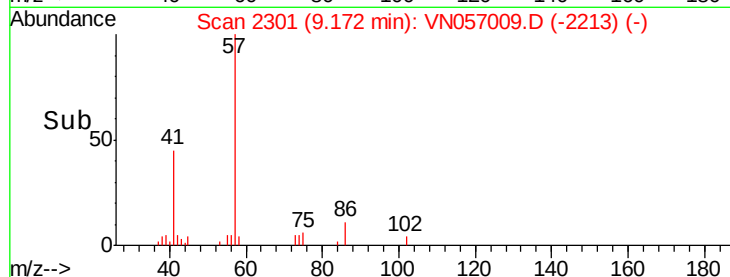
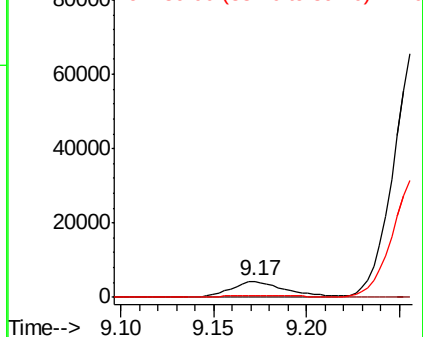
#48
Methvl methacrylate
Concen: 1.824 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
PB121844ZHE#05

Tot Ion: 41 Resp: 8662
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 0.0 39.9 59.9#

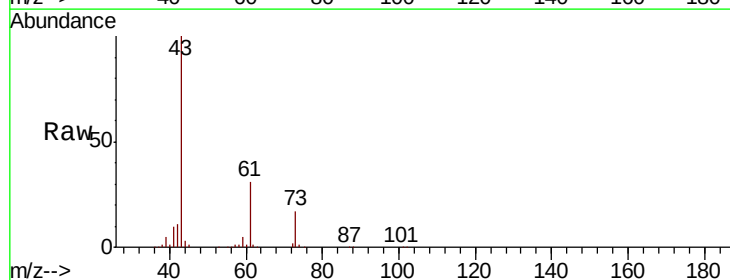


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

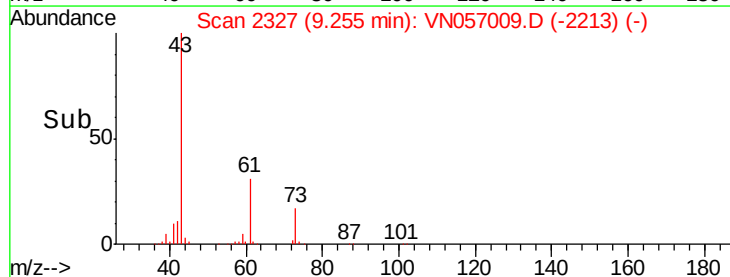
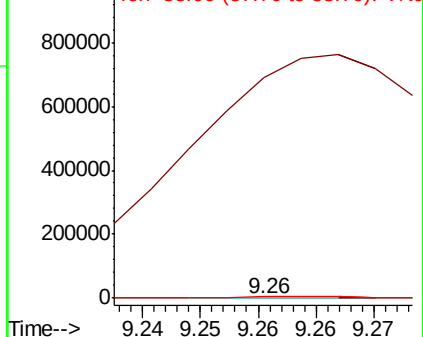


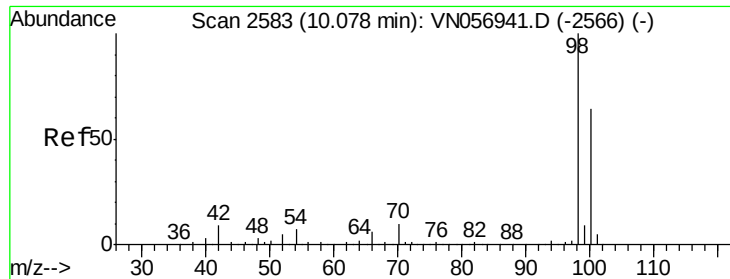
#49
1,4-Dioxane
Concen: 0.327 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 4444996.9 22.2 33.2#
58 21800.0 54.1 81.1#



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





#50

Toluene-d8

Concen: 49.197 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

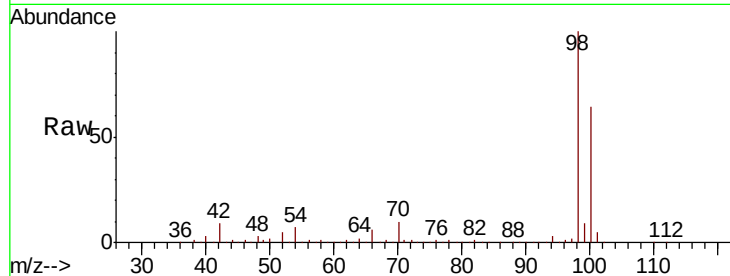
PB121844ZHE#05

Tot Ion: 98 Resp: 1014227

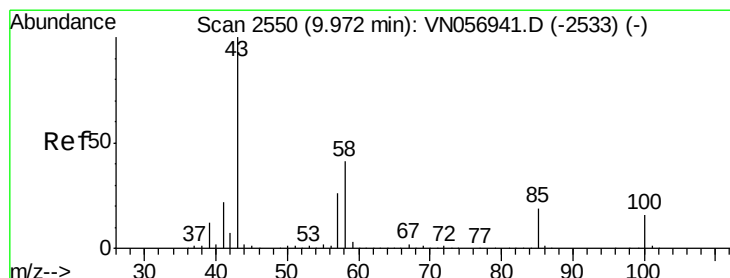
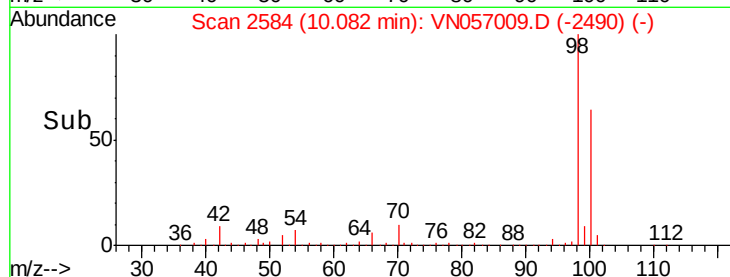
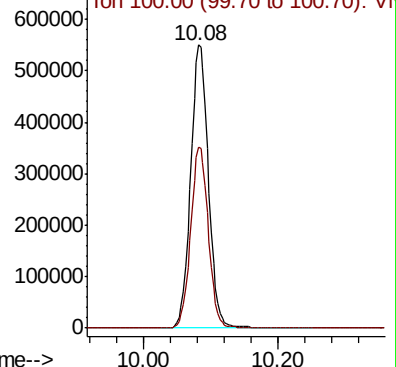
Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.694 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057009.D

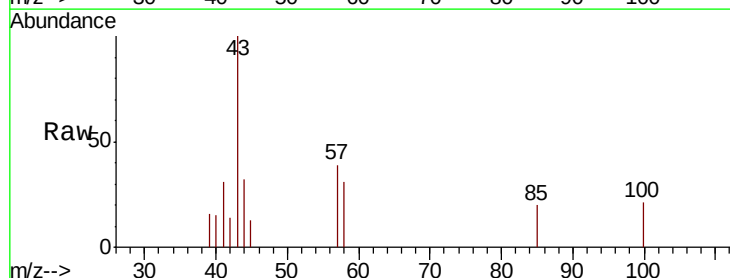
Acq: 31 Jul 2019 13:08

Tgt Ion: 43 Resp: 4055

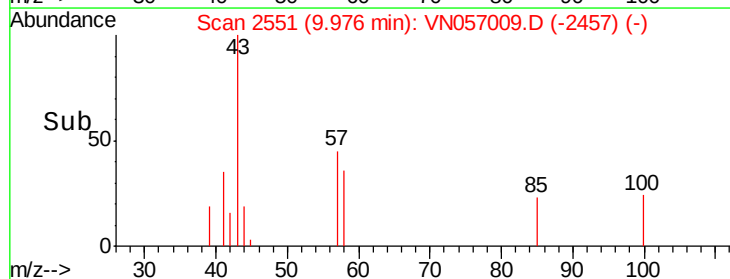
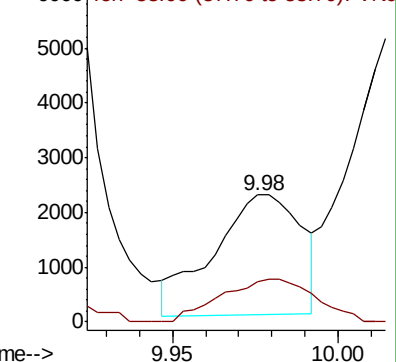
Ion Ratio Lower Upper

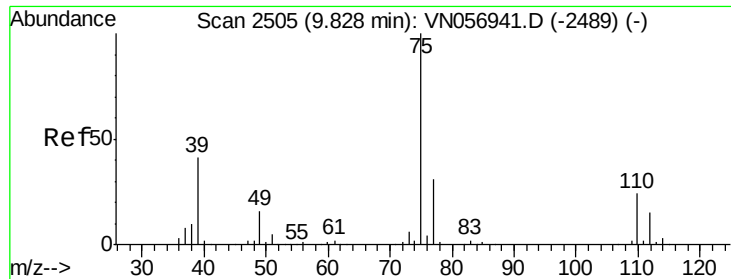
43 100

58 38.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)



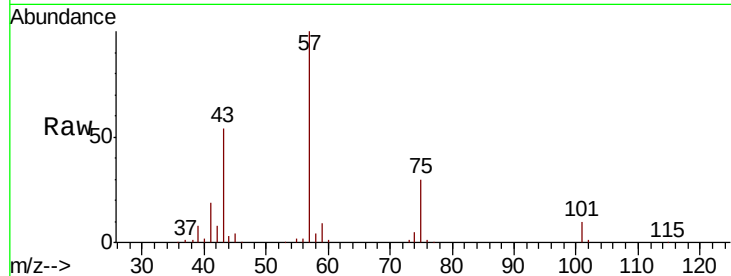


#54

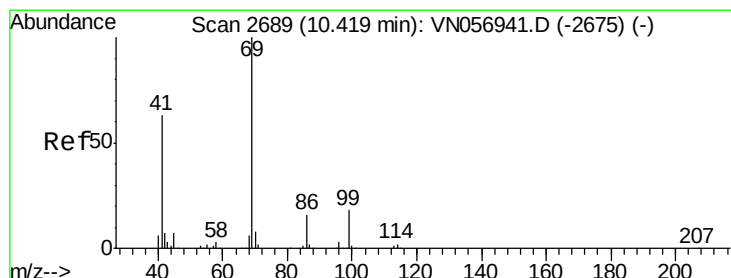
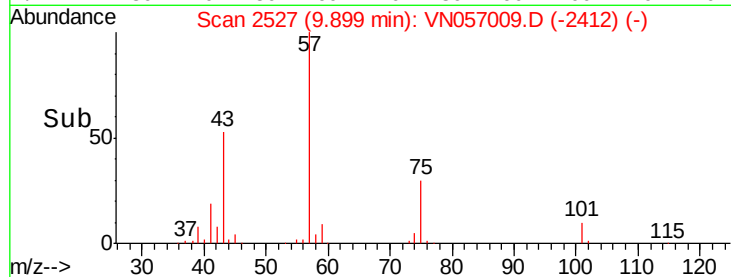
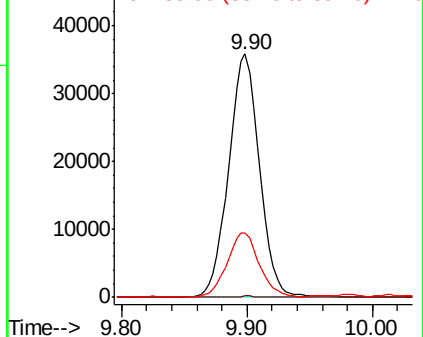
cis-1,3-Dichloropropene
 Concen: 6.974 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#05

Tot Ion: 75 Resp: 61077
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 26.7 32.6 49.0#



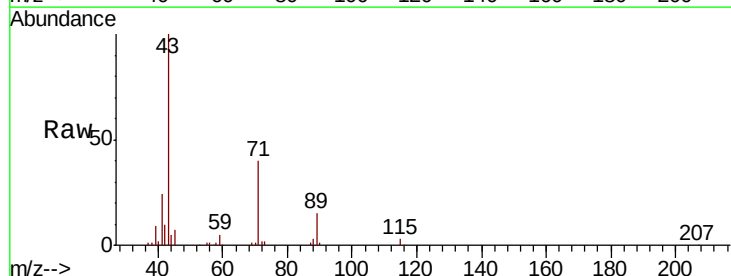
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



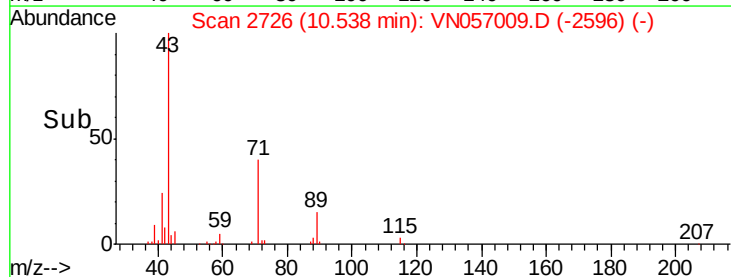
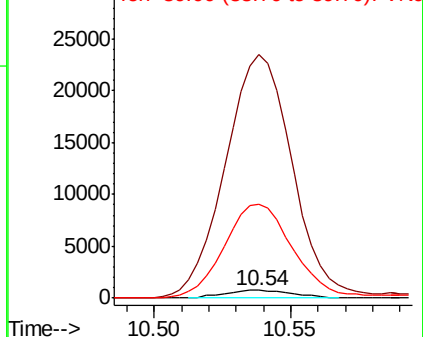
#56

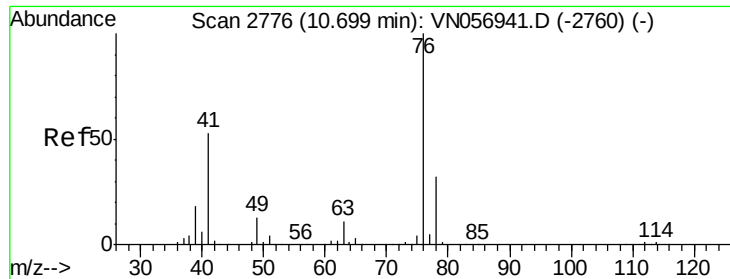
Ethyl methacrylate
 Concen: 1.904 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.12 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Tgt Ion: 69 Resp: 1235
 Ion Ratio Lower Upper
 69 100
 41 3291.3 49.2 73.8#
 39 1281.5 23.1 34.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

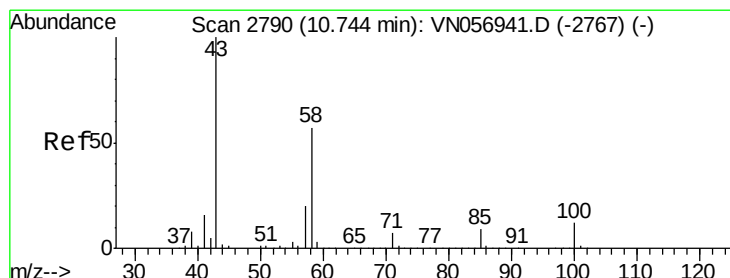
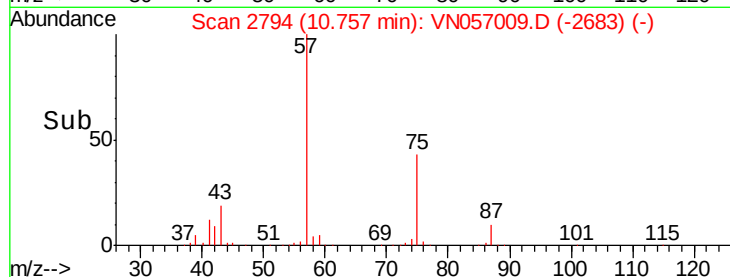
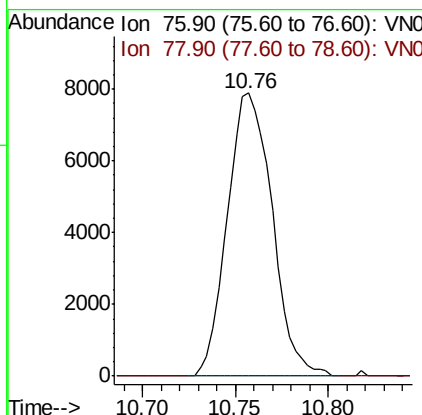
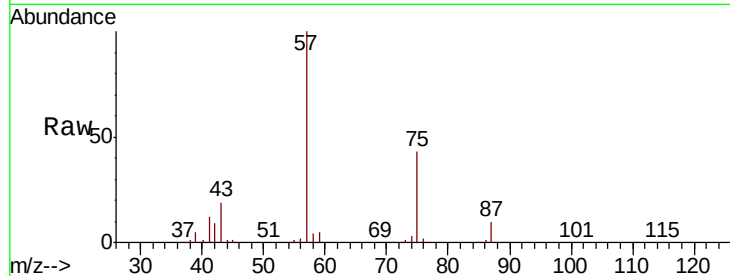




#57
 1,3-Dichloropropane
 Concen: 1.452 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

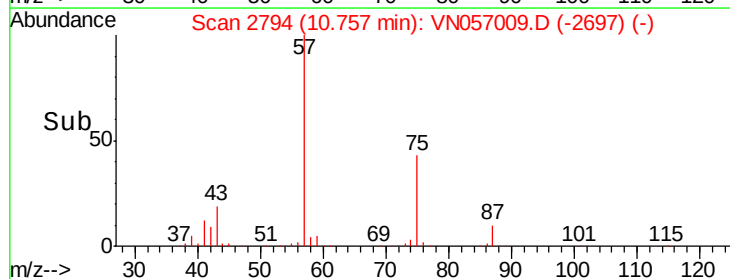
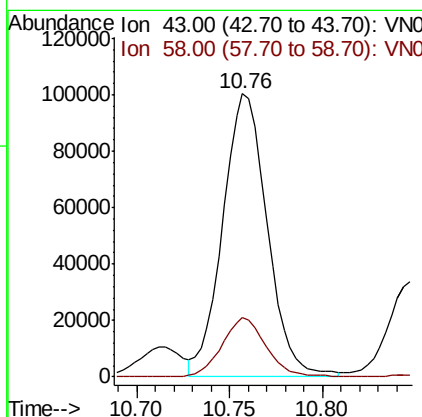
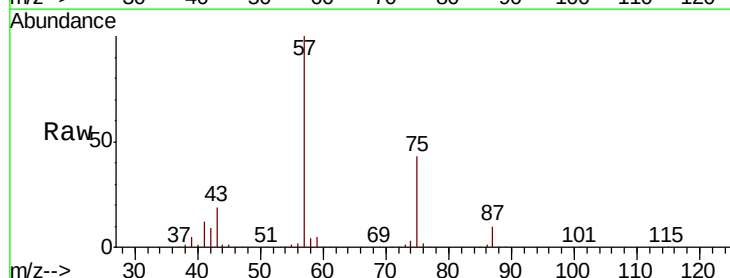
Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#05

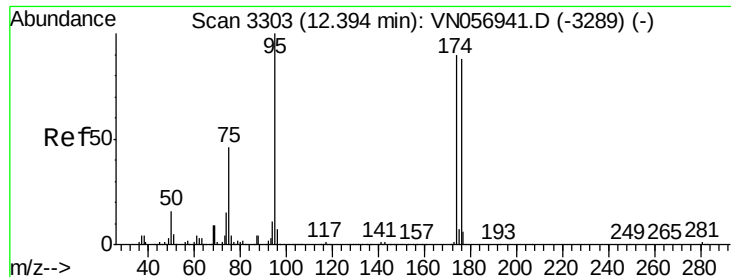
Tot Ion: 76 Resp: 13278
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 39.078 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Tgt Ion: 43 Resp: 166298
 Ion Ratio Lower Upper
 43 100
 58 20.8 28.5 85.5#

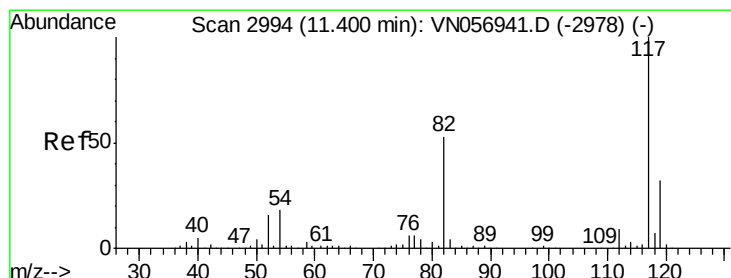
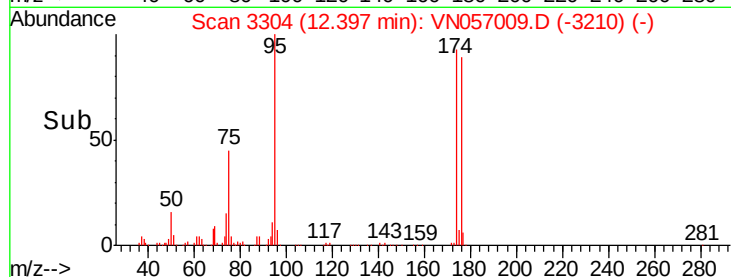
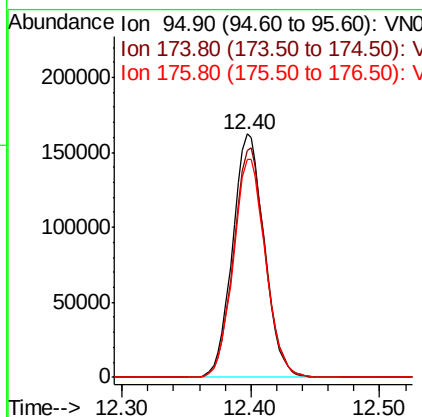
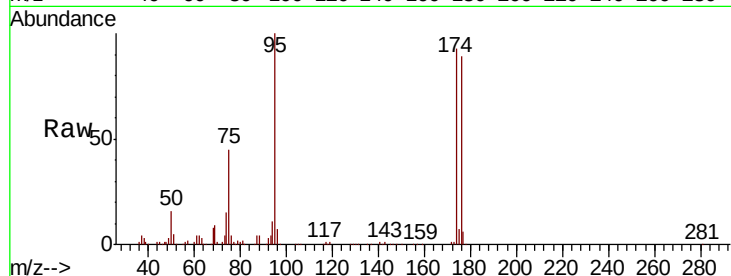




#62
4-Bromofluorobenzene
Concen: 41.293 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

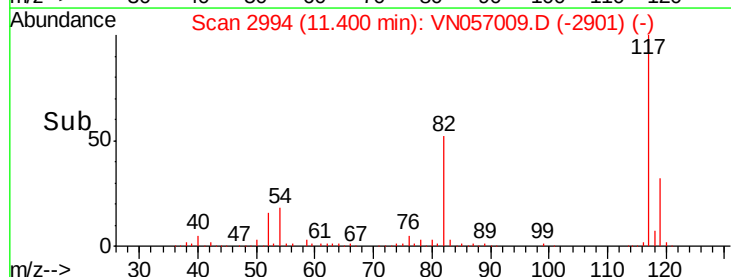
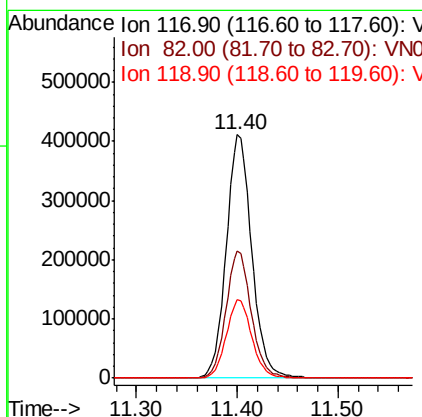
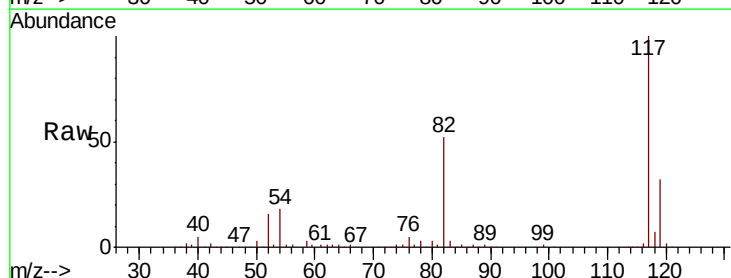
Instrument :
MSVOA_N
ClientSampleId :
PB121844ZHE#05

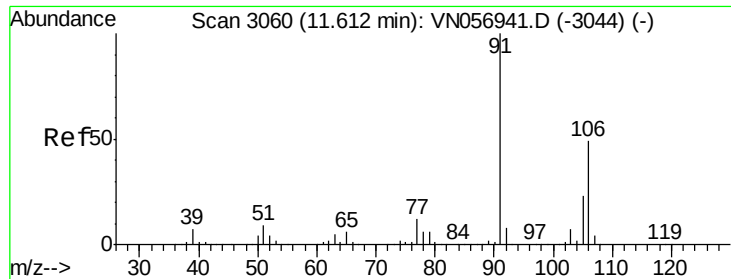
Tot Ion: 95 Resp: 277132
Ion Ratio Lower Upper
95 100
174 94.5 0.0 182.2
176 90.7 0.0 179.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057009.D
Acq: 31 Jul 2019 13:08

Tgt Ion: 117 Resp: 724494
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 32.0 25.8 38.6





#68

m/p-Xvlenes

Concen: 0.280 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

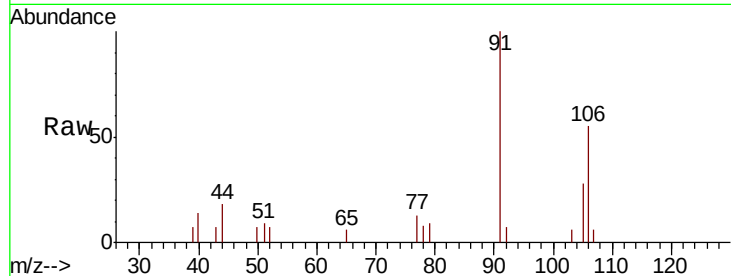
PB121844ZHE#05

Tot Ion:106 Resp: 2640

Ion Ratio Lower Upper

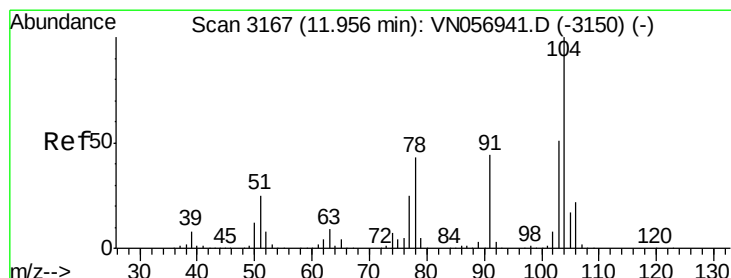
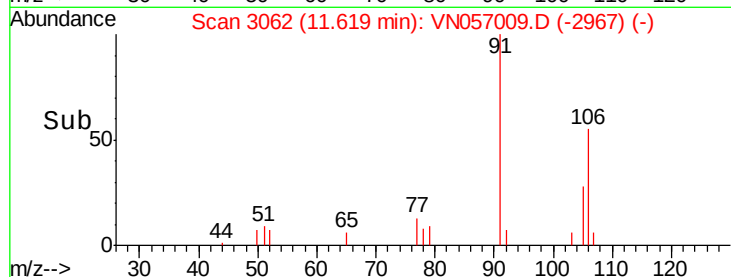
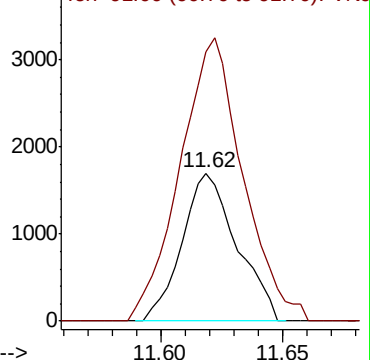
106 100

91 220.2 160.0 240.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.915 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

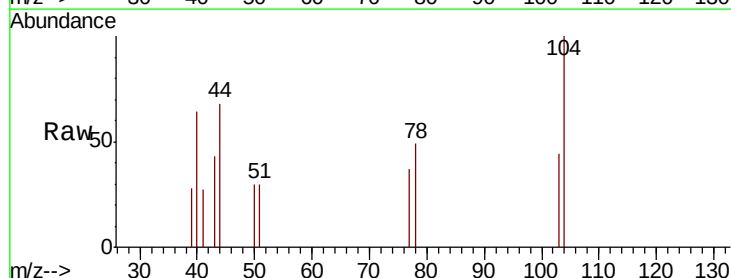
Tgt Ion:104 Resp: 819

Ion Ratio Lower Upper

104 100

78 44.8 38.1 57.1

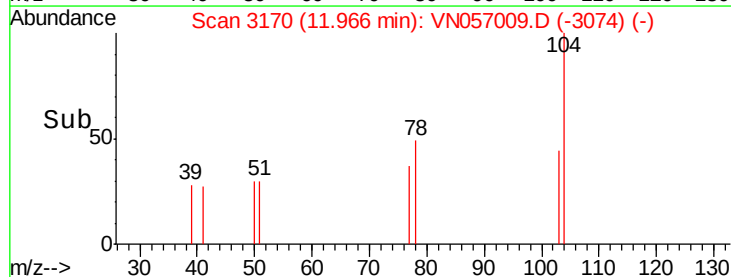
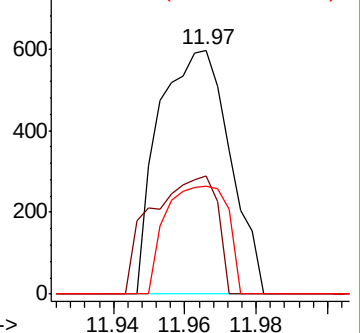
103 38.6 44.3 66.5#

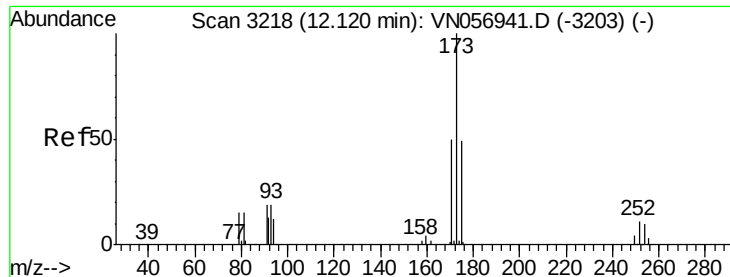


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.520 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB121844ZHE#05

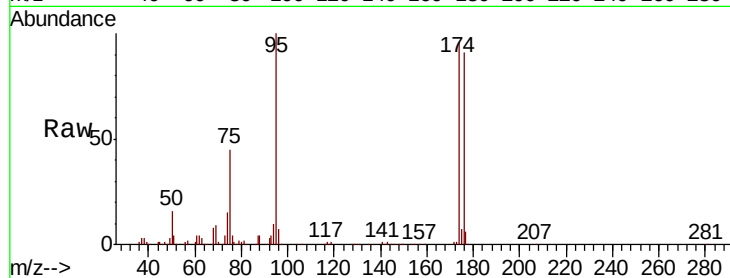
Tot Ion:173 Resp: 2018

Ion Ratio Lower Upper

173 100

175 764.1 24.1 72.4#

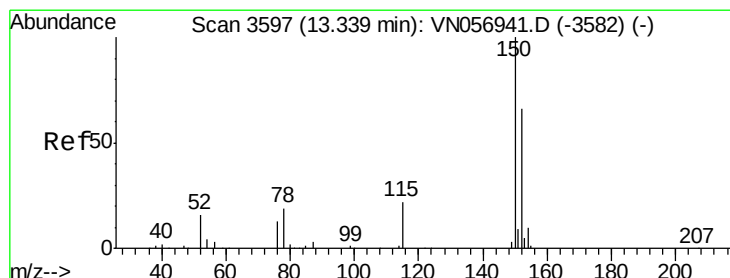
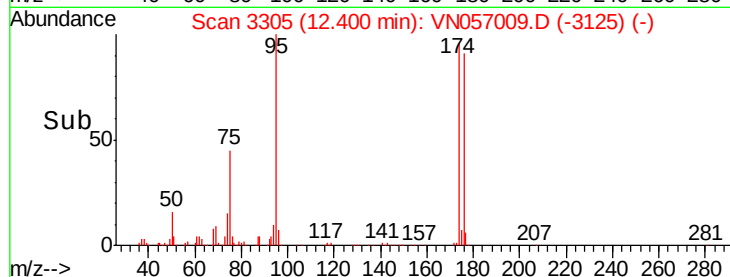
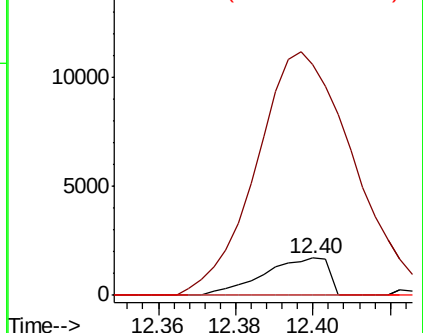
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

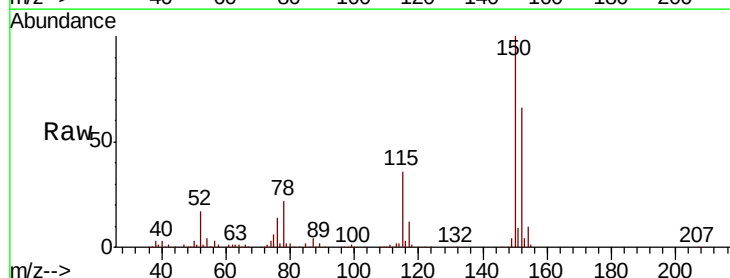
Tgt Ion:152 Resp: 217960

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

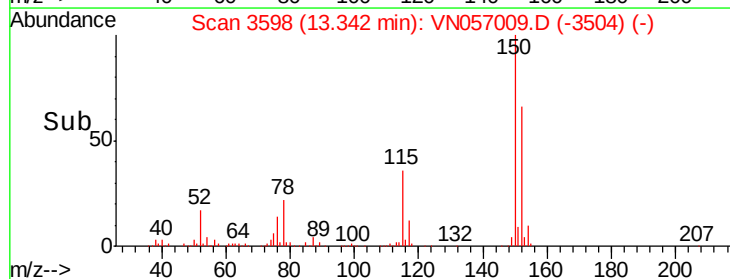
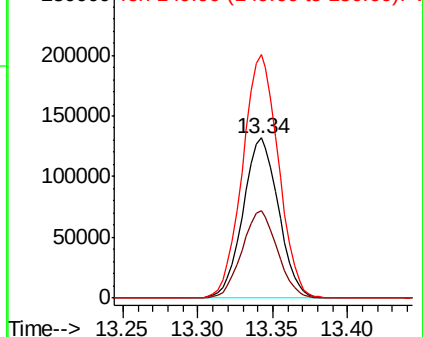
150 153.7 0.0 349.4

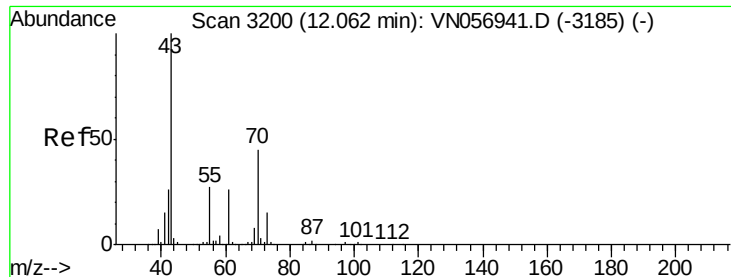


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.202 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB121844ZHE#05

Tot Ion: 43 Resp: 1106

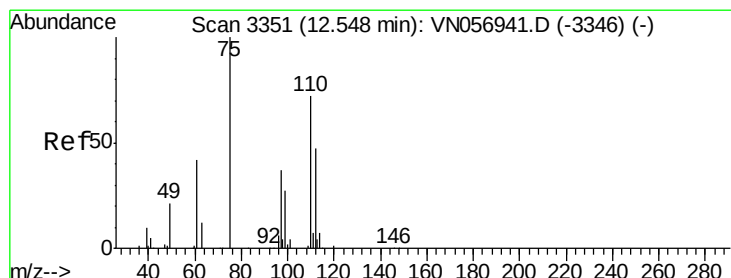
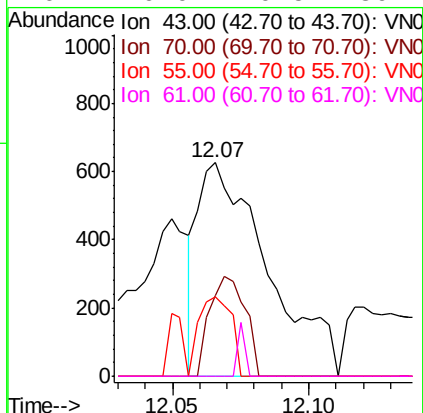
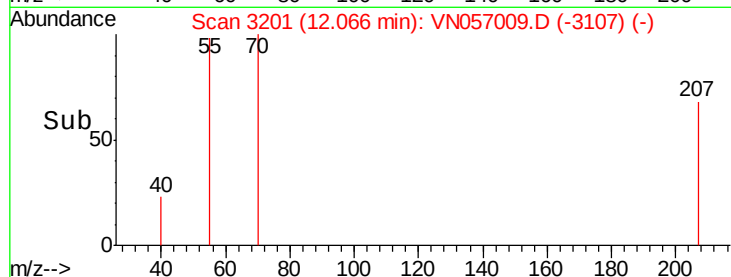
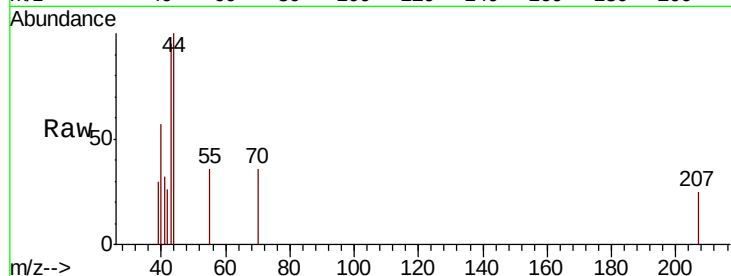
Ion Ratio Lower Upper

43 100

70 24.0 36.5 54.7#

55 17.4 21.4 32.0#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 28.499 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057009.D

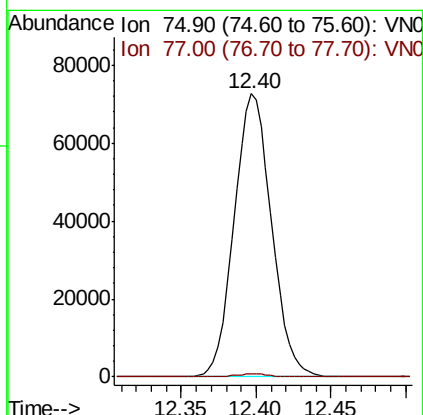
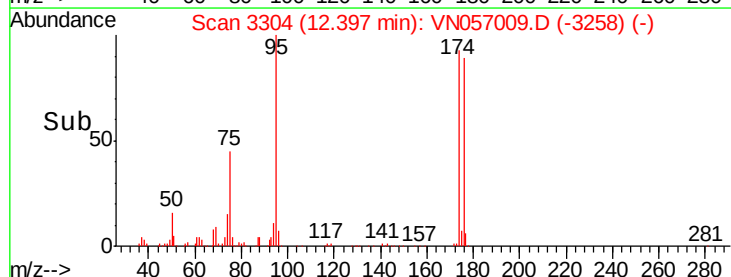
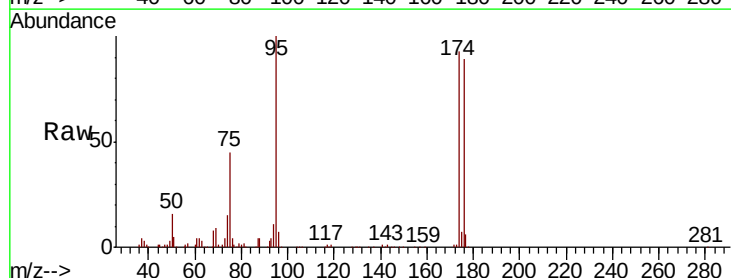
Acq: 31 Jul 2019 13:08

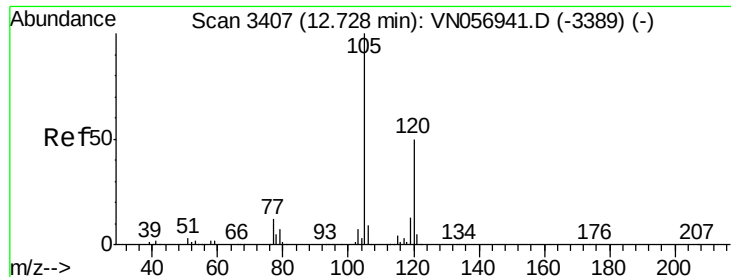
Tgt Ion: 75 Resp: 126147

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.323 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

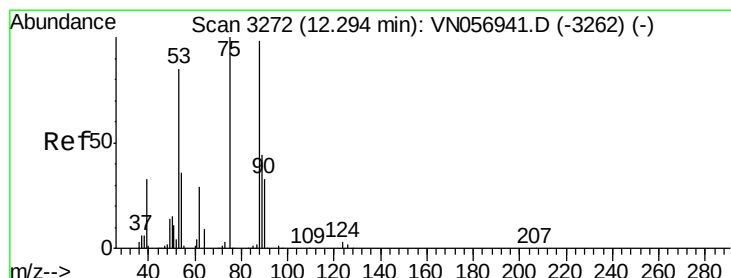
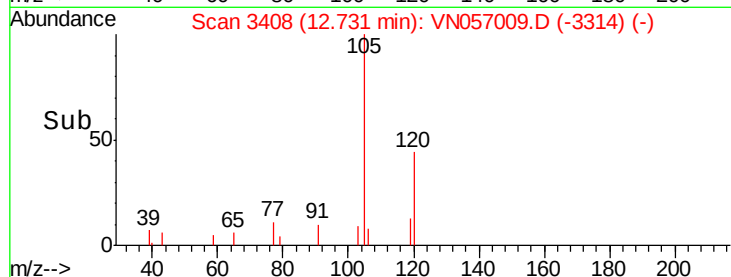
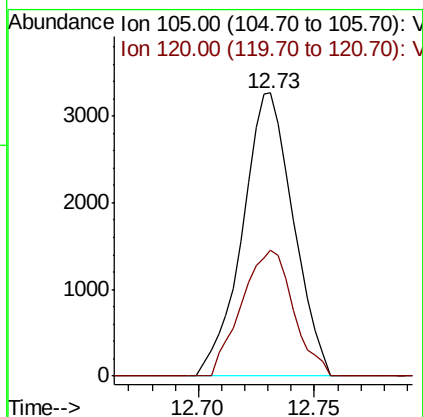
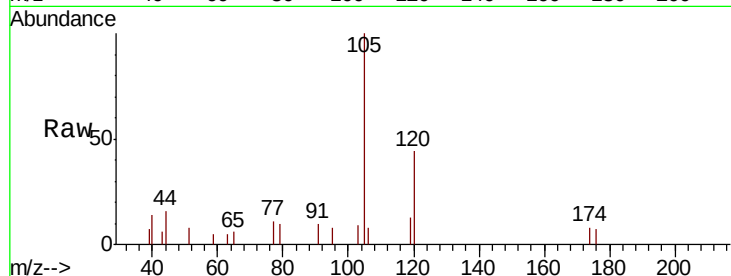
PB121844ZHE#05

Tot Ion:105 Resp: 4996

Ion Ratio Lower Upper

105 100

120 45.2 24.8 74.3



#81

trans-1,4-Dichloro-2-butene

Concen: 91.566 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

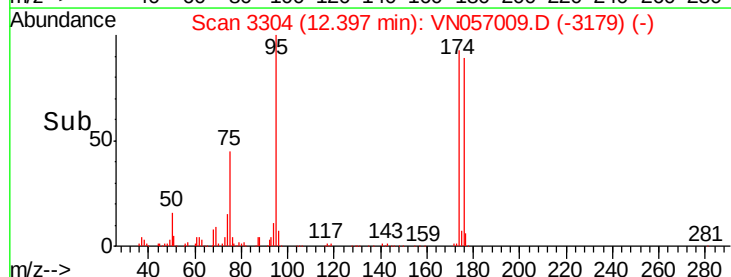
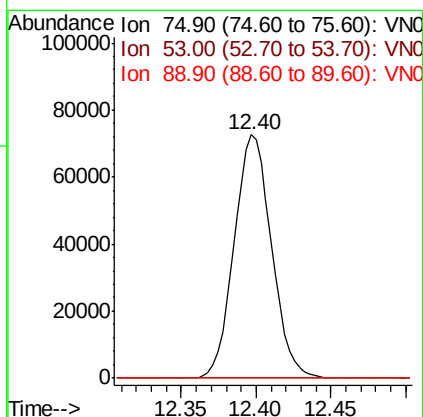
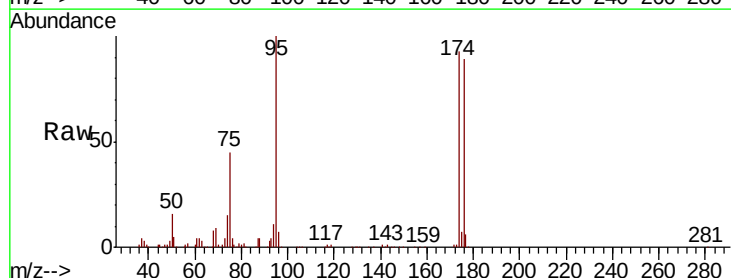
Tgt Ion: 75 Resp: 126147

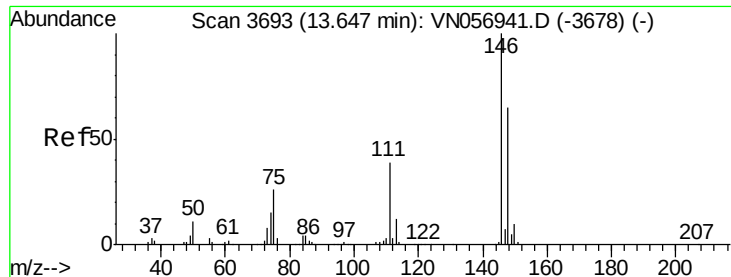
Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

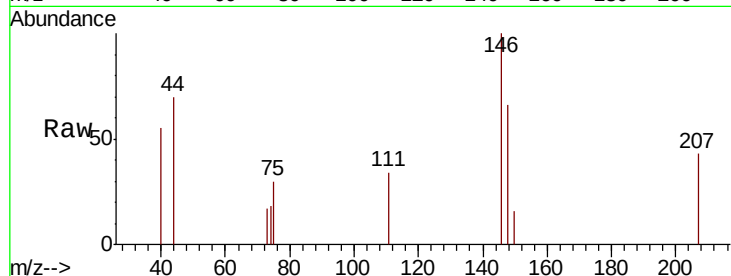




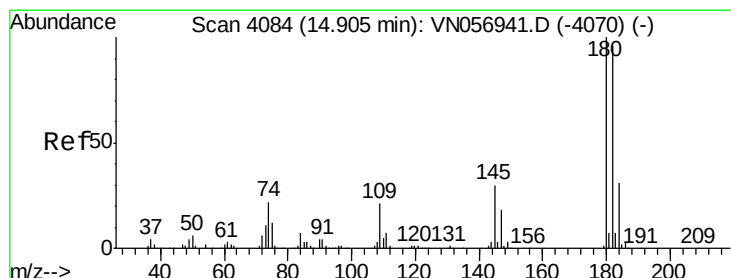
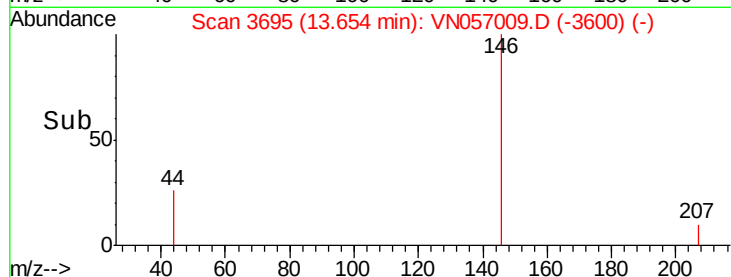
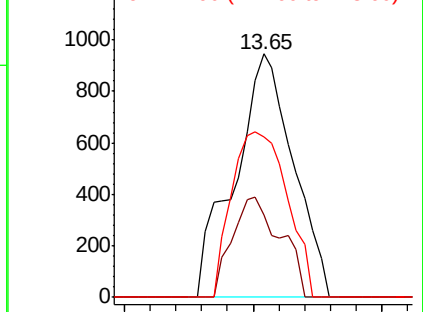
#91
 1,2-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#05

Tot Ion:146 Resp: 1501
 Ion Ratio Lower Upper
 146 100
 111 34.0 19.4 58.4
 148 64.4 32.2 96.6

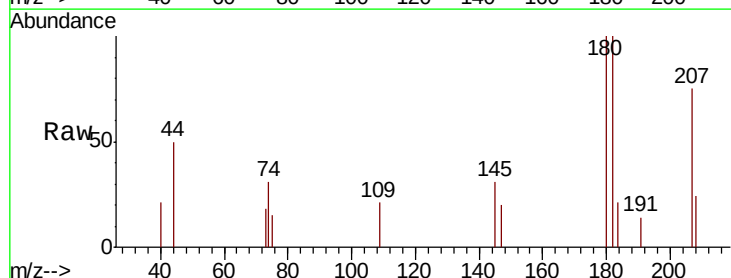


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

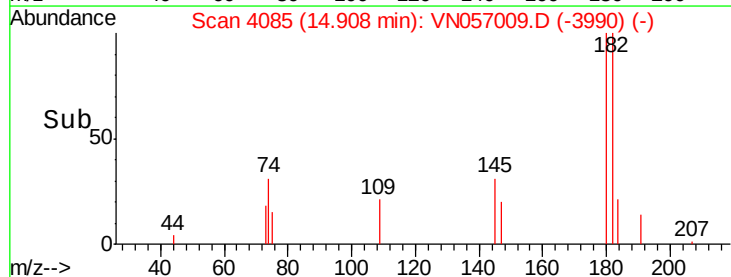
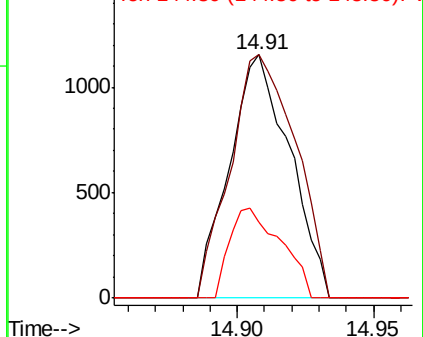


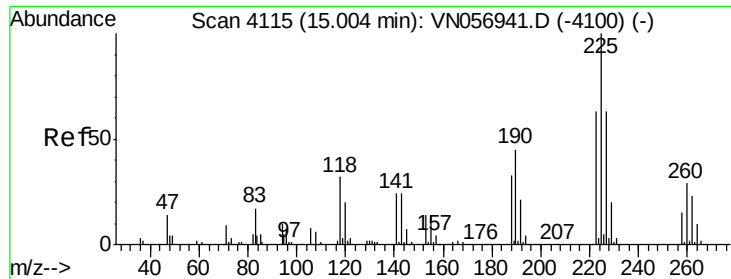
#93
 1,2,4-Trichlorobenzene
 Concen: 3.151 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Tgt Ion:180 Resp: 1766
 Ion Ratio Lower Upper
 180 100
 182 108.7 47.6 142.8
 145 31.7 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

PB121844ZHE#05

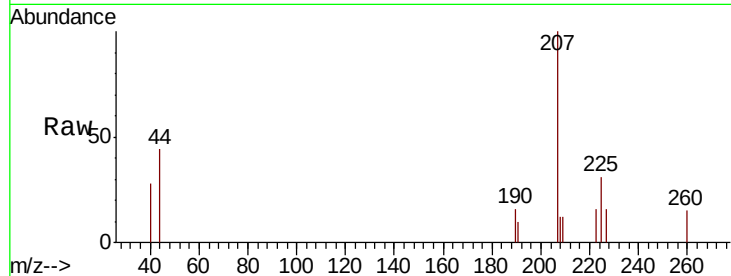
Tot Ion:225 Resp: 528

Ion Ratio Lower Upper

225 100

223 53.0 30.8 92.4

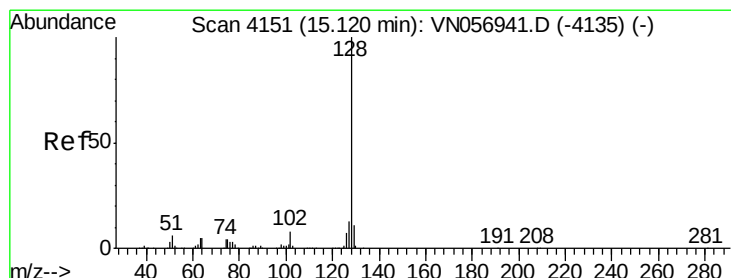
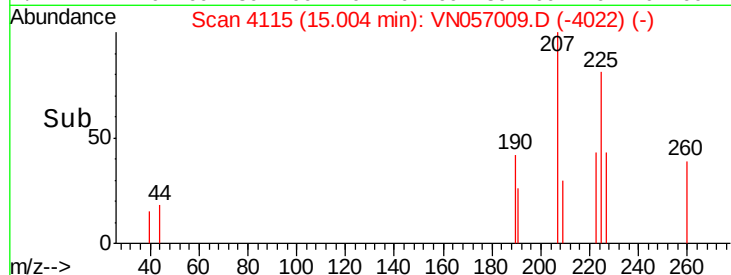
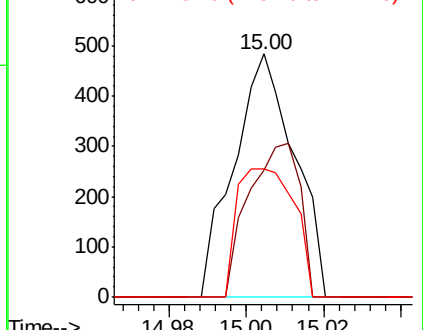
227 49.4 31.1 93.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.114 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.01 min

Lab File: VN057009.D

Acq: 31 Jul 2019 13:08

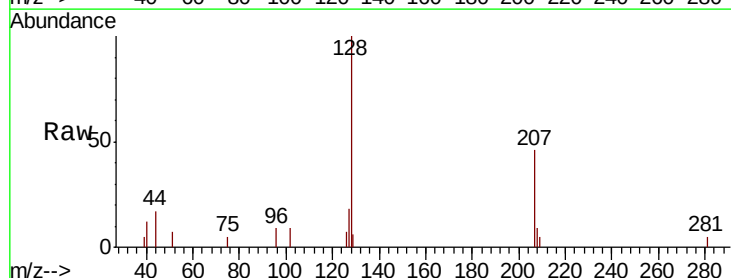
Tgt Ion:128 Resp: 5250

Ion Ratio Lower Upper

128 100

127 13.9 10.0 15.0

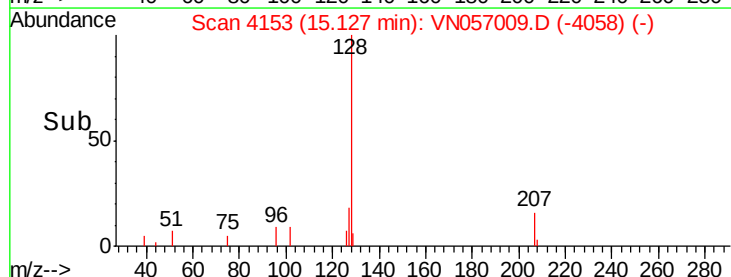
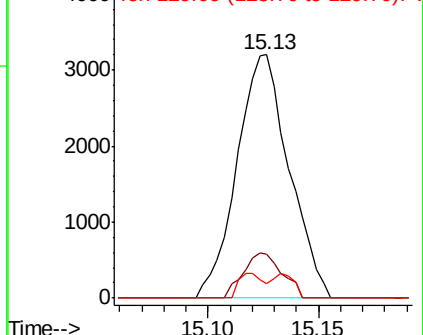
129 4.0 8.7 13.1#

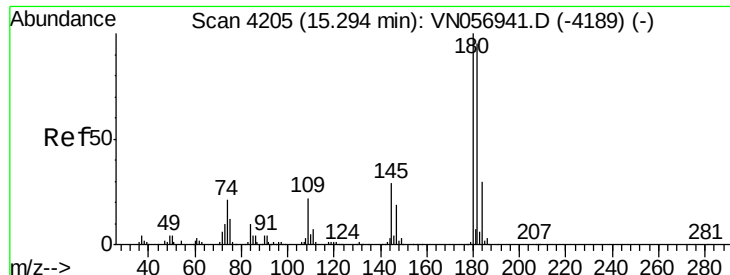


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

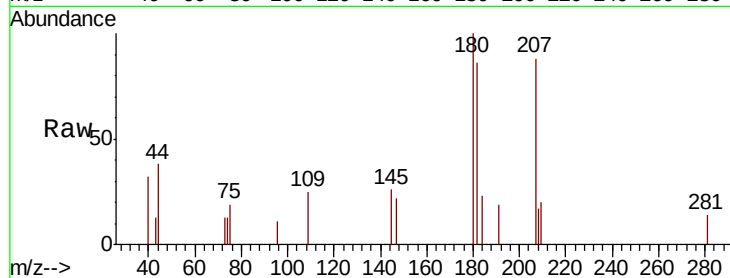




#96
 1,2,3-Trichlorobenzene
 Concen: 2.675 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.00 min
 Lab File: VN057009.D
 Acq: 31 Jul 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121844ZHE#05

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.0	144.2
145	18.4	15.0	45.0



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

