

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
 Data File : VN057255.D
 Acq On : 13 Aug 2019 19:00
 Operator : JC/SP
 Sample : PB122204TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

Quant Time: Aug 14 06:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1582092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2181911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1831178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	699407	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
35) Dibromofluoromethane	7.58	113	653981	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
50) Toluene-d8	10.09	98	2553192	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	657076	37.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.42%	

Target Compounds					Qvalue
8) Diethyl Ether	3.41	74	1896	0.226 ug/l	91
11) Tert butyl alcohol	4.73	59	9694	4.510 ug/l #	87
13) Acrolein	3.60	56	568	0.369 ug/l #	47
16) Acetone	3.81	43	44500	8.133 ug/l	98
18) Methyl Acetate	4.33	43	22235	0.422 ug/l	100
20) Methylene Chloride	4.54	84	136382	8.533 ug/l	98
25) 2-Butanone	6.84	43	4072	0.523 ug/l #	85
31) Cyclohexane	7.66	56	23598	1.044 ug/l #	1
36) 1,1-Dichloropropene	7.66	75	94581	4.958 ug/l #	49
38) Carbon Tetrachloride	7.66	117	131514	6.490 ug/l #	16
43) Isopropyl Acetate	8.16	43	204193	8.086 ug/l #	91
48) Methyl methacrylate	9.17	41	11550	0.989 ug/l #	10
49) 1,4-Dioxane	9.19	88	179	0.680 ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	14867	1.003 ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	106669	4.636 ug/l #	59
57) 1,3-Dichloropropane	10.76	76	17883	0.770 ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.71	63	61	20.536 ug/l #	45
59) 2-Hexanone	10.76	43	231230	21.979 ug/l #	50
64) Tetrachloroethene	10.63	164	3596	0.222 ug/l #	82
73) Isopropylbenzene	12.25	105	4227	Below Cal	94
74) N-amyl acetate	12.07	43	3272	Below Cal #	74
75) 1,1,2,2-Tetrachloroethane	12.50	83	577	Below Cal #	56
76) 1,2,3-Trichloropropane	12.40	75	301485	38.252 ug/l #	100
77) Bromobenzene	12.52	156	1945	Below Cal	95
78) n-propylbenzene	12.59	91	8511	Below Cal	99
79) 2-Chlorotoluene	12.68	91	4904	Below Cal	97
80) 1,3,5-Trimethylbenzene	12.73	105	25823	Below Cal	96
81) trans-1,4-Dichloro-2-buten	12.40	75	301485	91.884 ug/l #	16
82) 4-Chlorotoluene	12.78	91	7379	0.307 ug/l	94
83) tert-Butylbenzene	12.99	119	3926	Below Cal	93
84) 1,2,4-Trimethylbenzene	13.04	105	6219	0.200 ug/l	89
85) sec-Butylbenzene	13.17	105	7222	Below Cal	96
86) p-Isopropyltoluene	13.29	119	7164	0.221 ug/l	90
87) 1,3-Dichlorobenzene	13.29	146	5962	0.390 ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Aug 14 06:25:03 2019
Response via : Initial Calibration

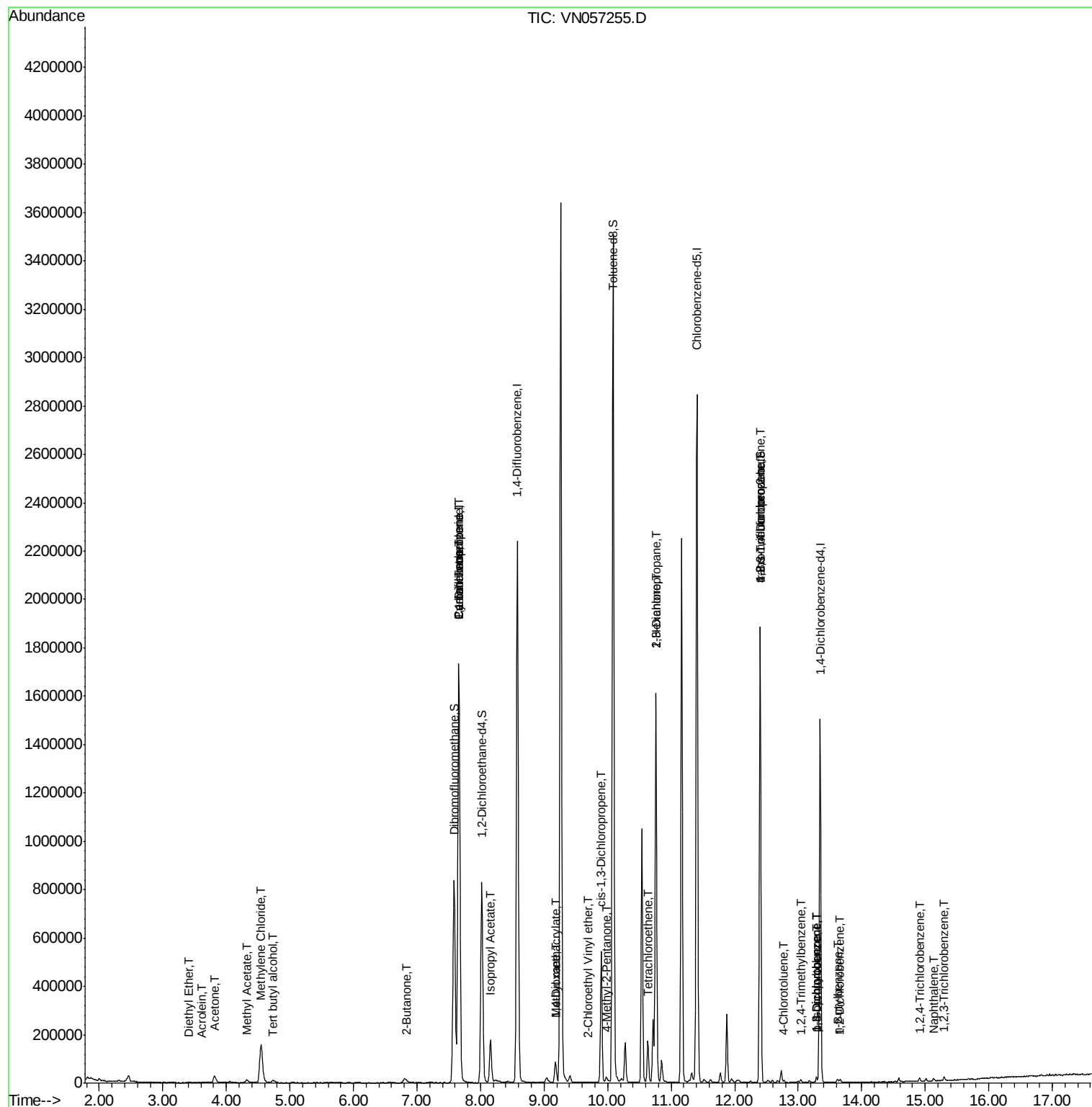
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.29	146	5962	0.401	ug/l	98
89) n-Butylbenzene	13.62	91	9143	0.402	ug/l	94
90) Hexachloroethane	13.88	117	64	Below Cal	#	13
91) 1,2-Dichlorobenzene	13.66	146	7111	0.478	ug/l	90
93) 1,2,4-Trichlorobenzene	14.91	180	5355	4.109	ug/l	97
94) Hexachlorobutadiene	15.01	225	2518	Below Cal		94
95) Naphthalene	15.13	128	9713	1.345	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	5754	5.247	ug/l	92

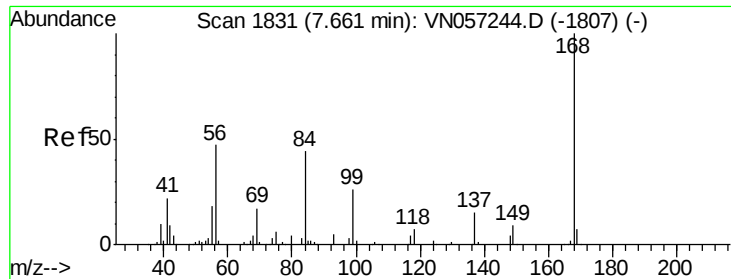
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

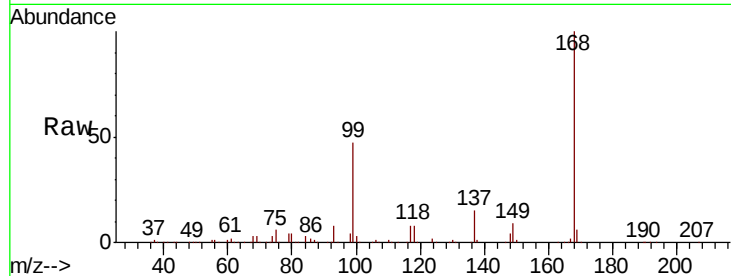
PB122204TB

Tgt Ion:168 Resp: 1582092

Ion Ratio Lower Upper

168 100

99 47.5 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

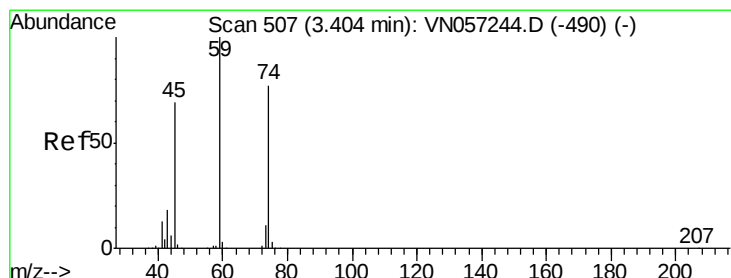
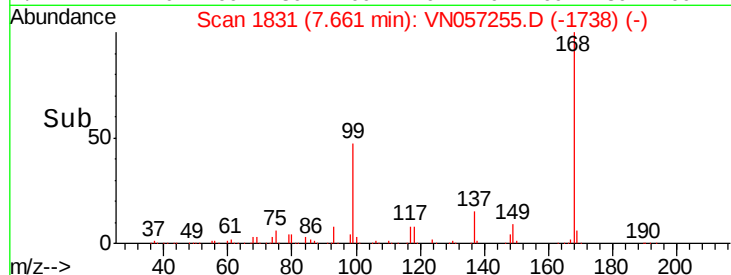
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 0.226 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.01 min

Lab File: VN057255.D

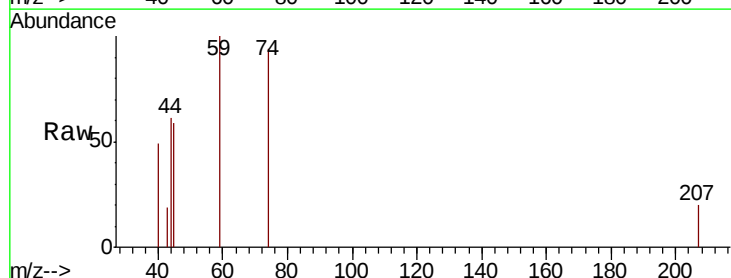
Acq: 13 Aug 2019 19:00

Tgt Ion: 74 Resp: 1896

Ion Ratio Lower Upper

74 100

45 98.8 45.1 135.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

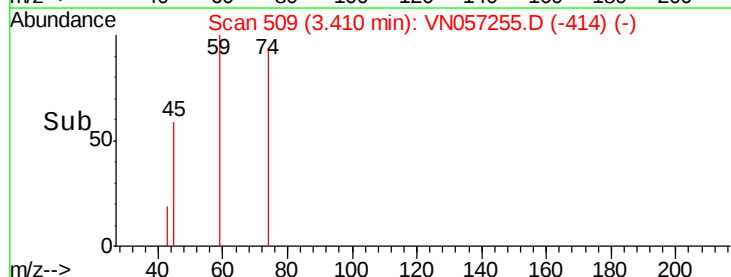
1500

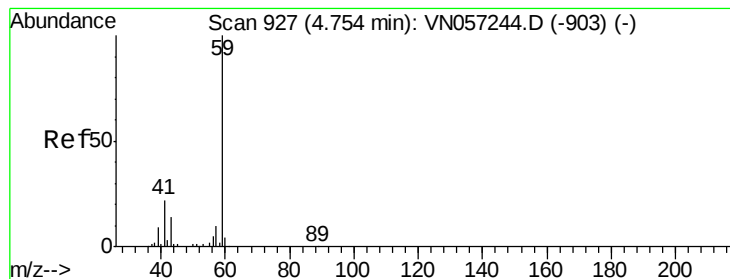
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 4.510 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.02 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

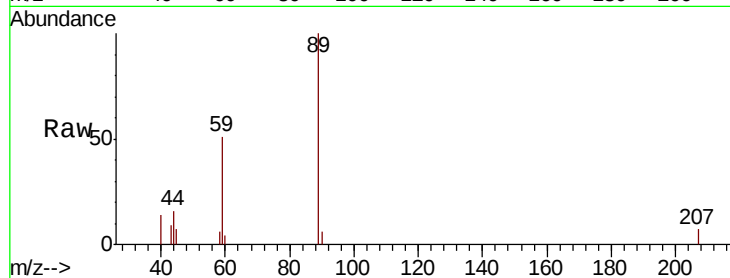
PB122204TB

Tgt Ion: 59 Resp: 9694

Ion Ratio Lower Upper

59 100

57 0.0 3.4 5.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

2500

2000

1500

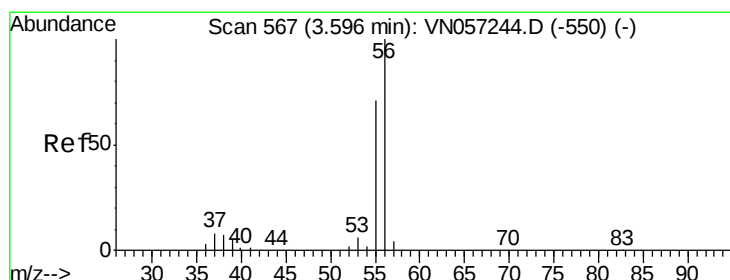
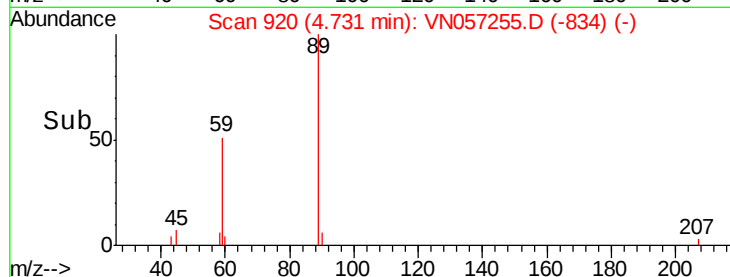
1000

500

0

4.65 4.70 4.75 4.80

Time-->



#13

Acrolein

Concen: 0.369 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN057255.D

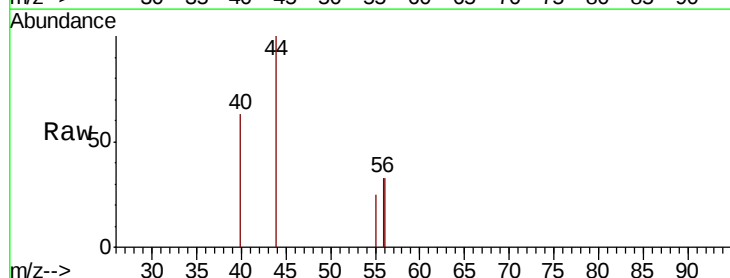
Acq: 13 Aug 2019 19:00

Tgt Ion: 56 Resp: 568

Ion Ratio Lower Upper

56 100

55 27.3 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

600

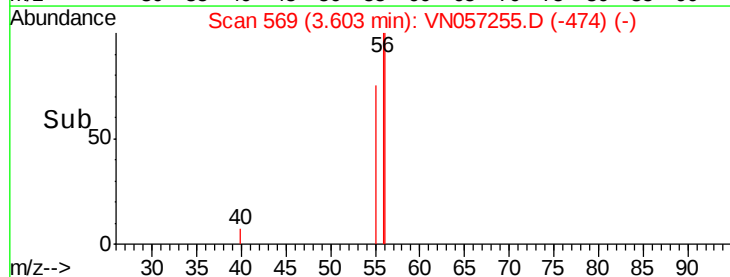
400

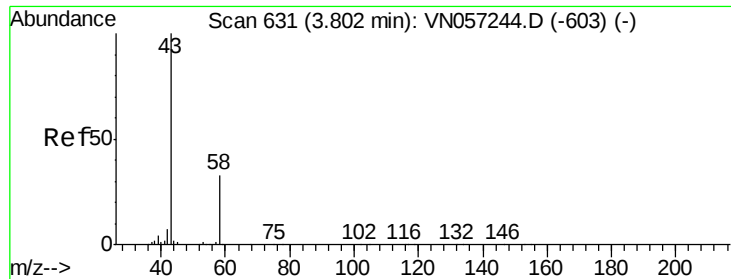
200

0

3.58 3.60 3.62

Time-->

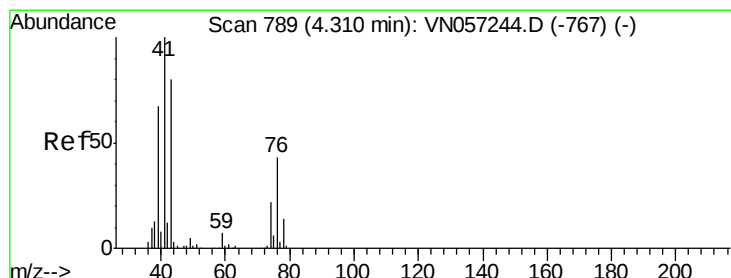
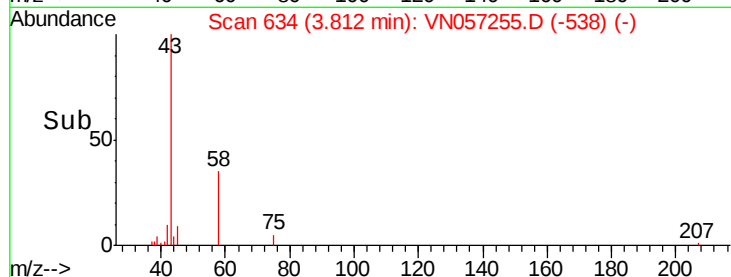
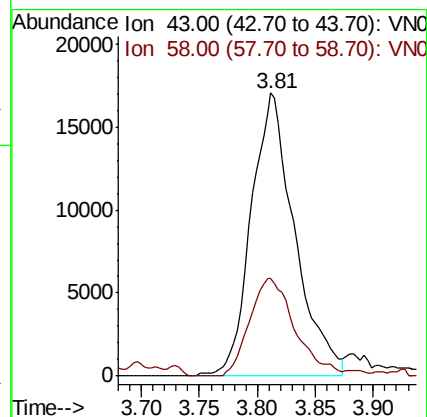
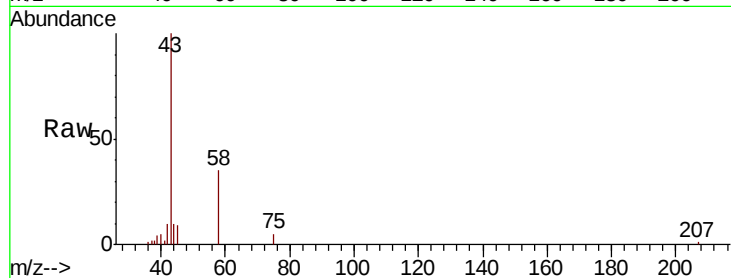




#16
Acetone
Concen: 8.133 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.01 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

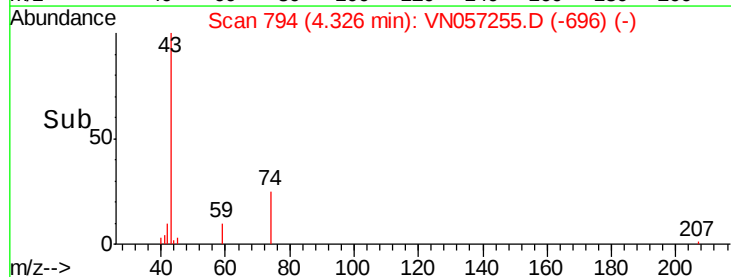
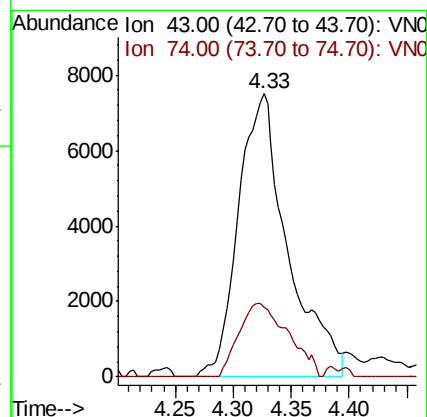
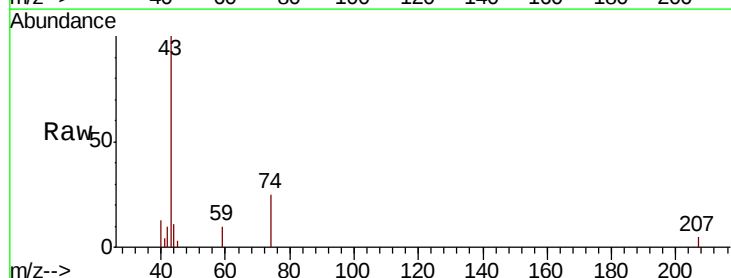
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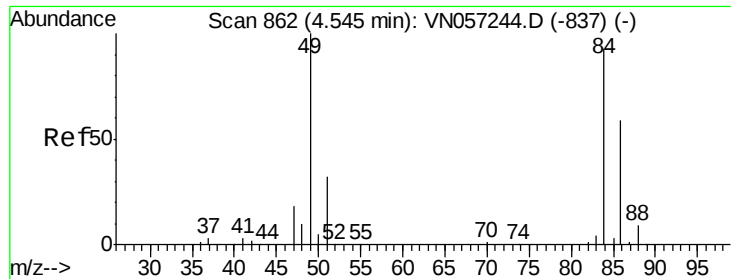
Tgt Ion: 43 Resp: 44500
Ion Ratio Lower Upper
43 100
58 34.6 26.7 40.1



#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion: 43 Resp: 22235
Ion Ratio Lower Upper
43 100
74 25.9 20.6 31.0

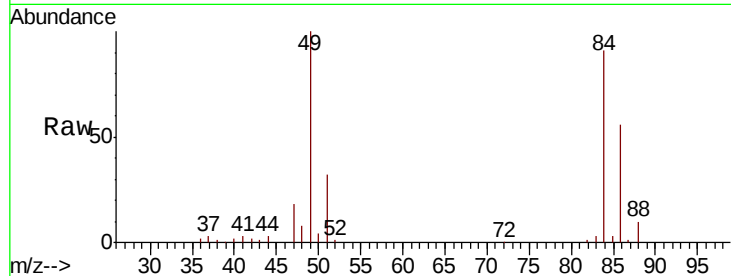




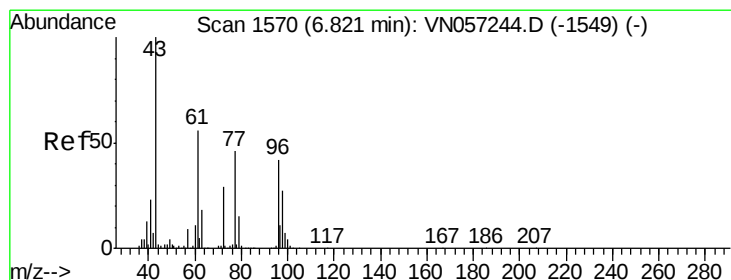
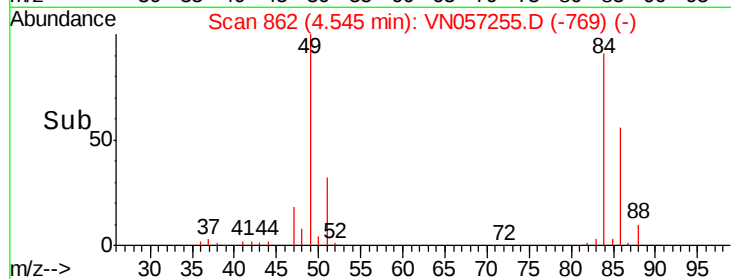
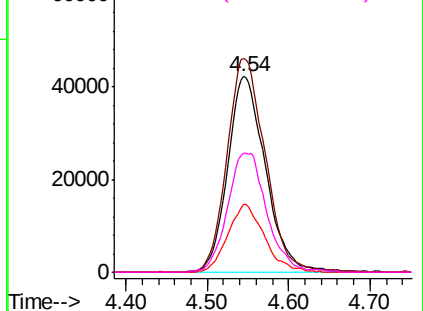
#20
Methylene Chloride
Concen: 8.533 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
PB122204TB

Tgt Ion:	84	Resp:	136382
Ion	Ratio	Lower	Upper
84	100		
49	109.0	85.9	128.9
51	35.1	27.1	40.7
86	60.8	51.0	76.6

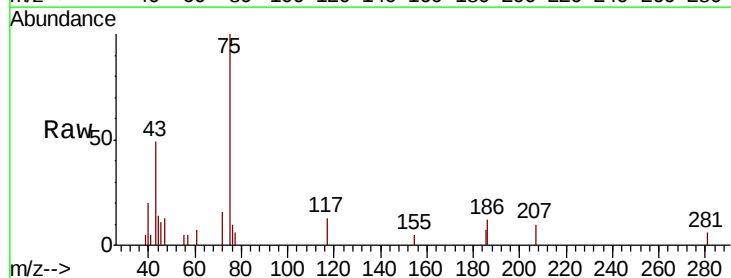


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

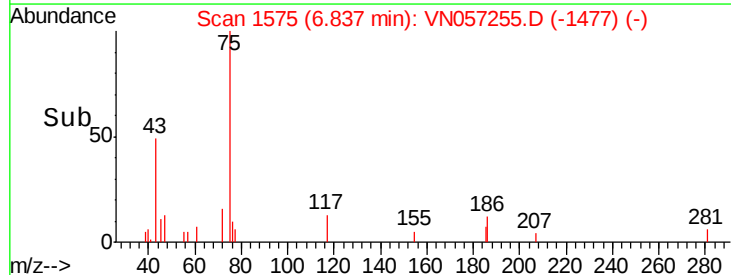
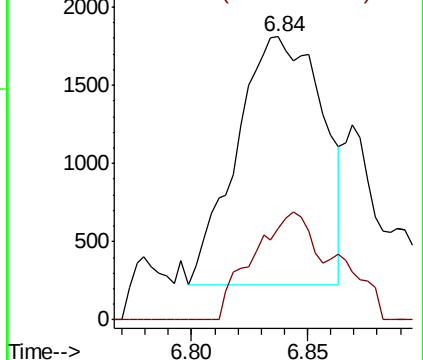


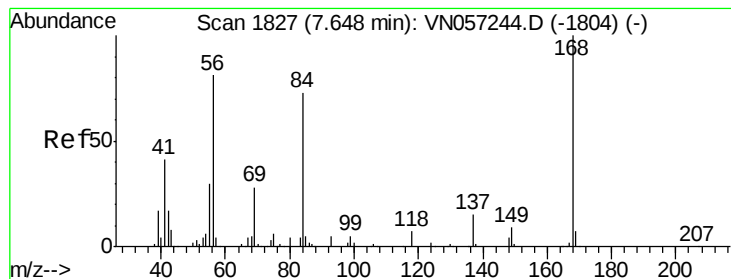
#25
2-Butanone
Concen: 0.523 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion:	43	Resp:	4072
Ion	Ratio	Lower	Upper
43	100		
72	36.8	23.1	34.7#



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





#31

Cyclohexane

Concen: 1.044 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

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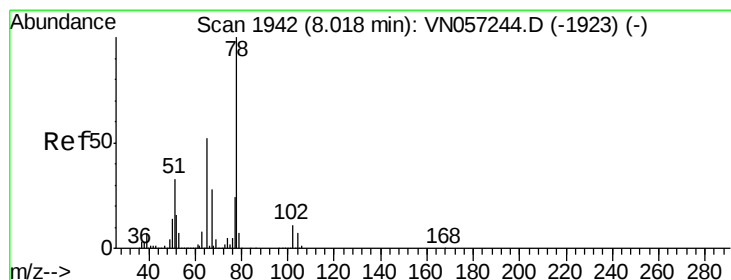
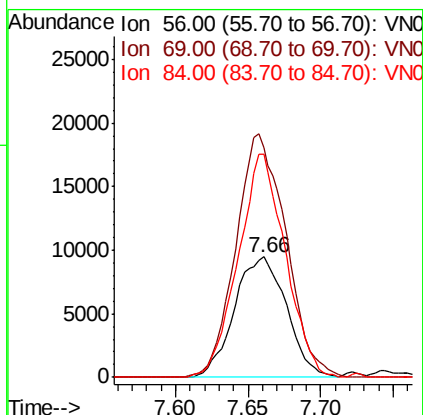
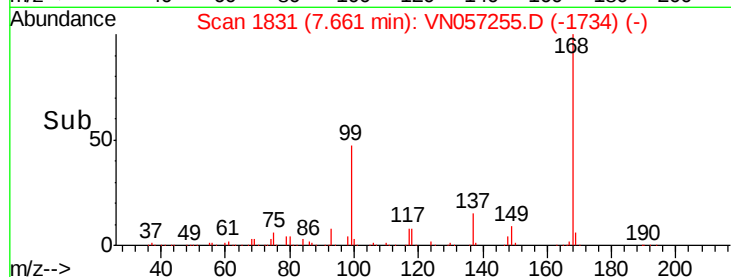
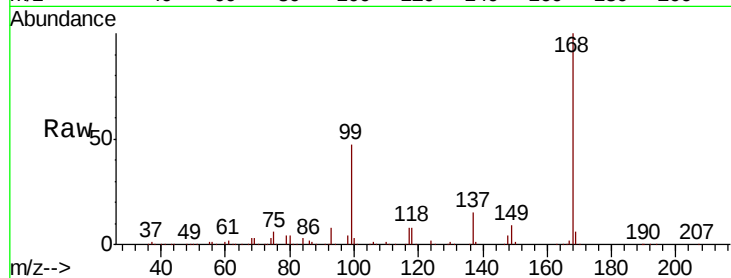
Tgt Ion: 56 Resp: 23598

Ion Ratio Lower Upper

56 100

69 188.2 27.8 41.8#

84 185.0 72.0 108.0#



#33

1,2-Dichloroethane-d4

Concen: 43.823 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057255.D

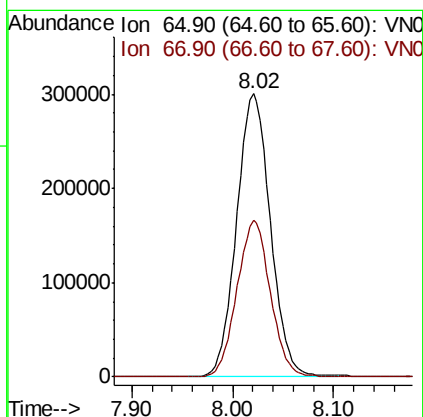
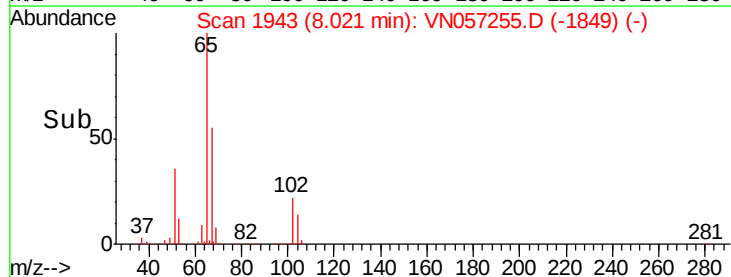
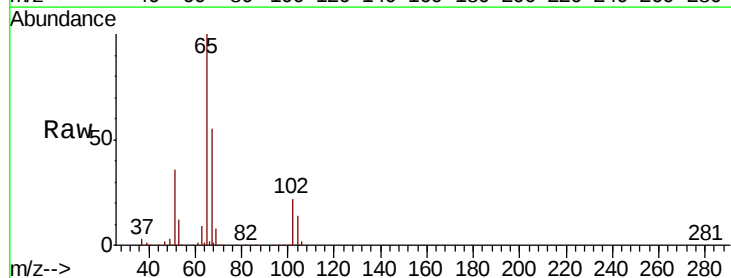
Acq: 13 Aug 2019 19:00

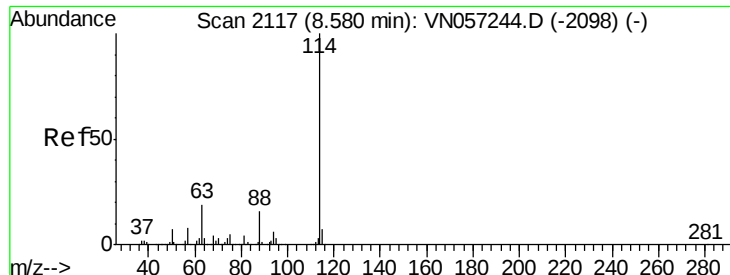
Tgt Ion: 65 Resp: 699407

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.0

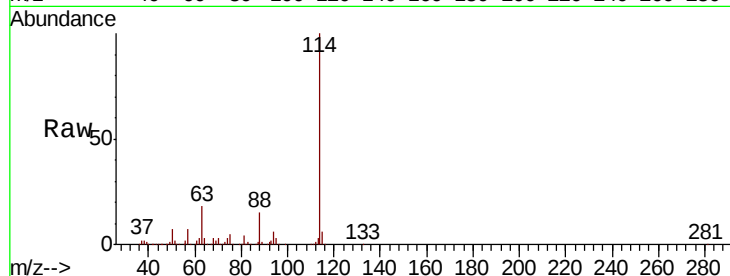




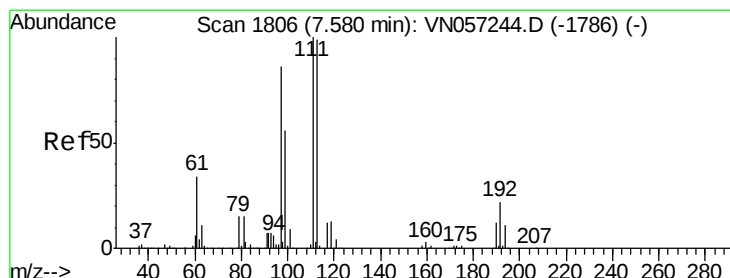
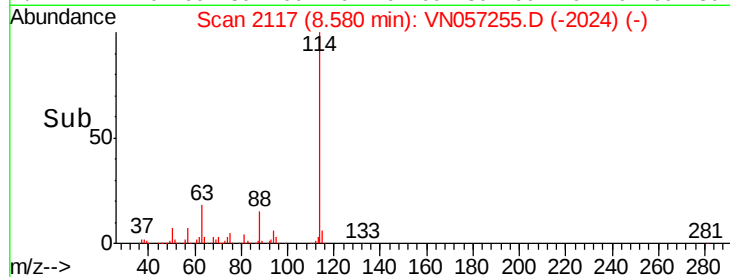
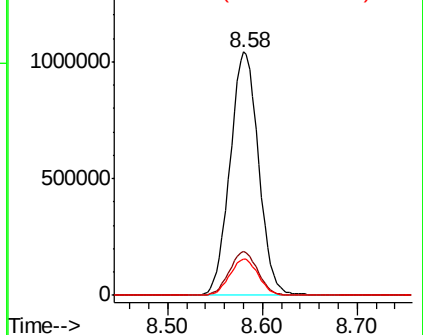
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
PB122204TB

Tgt Ion:114 Resp: 2181911
Ion Ratio Lower Upper
114 100
63 17.8 0.0 37.0
88 15.0 0.0 31.0

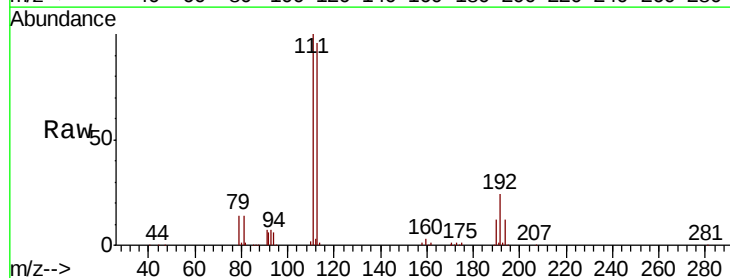


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

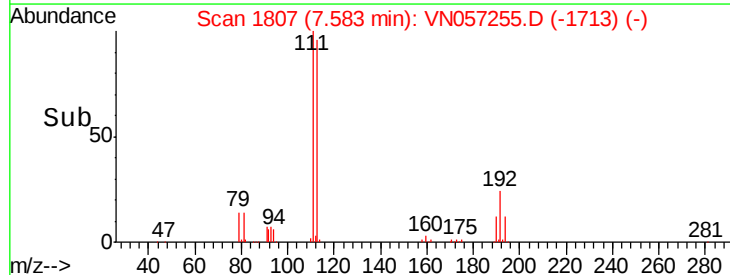
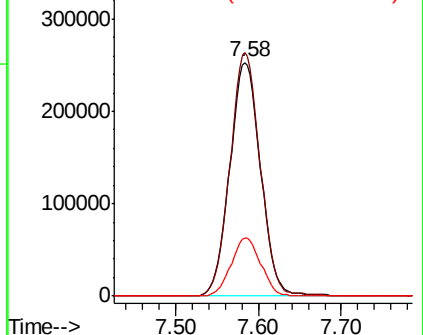


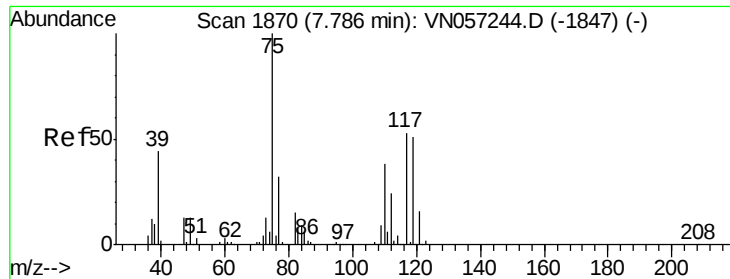
#35
Dibromofluoromethane
Concen: 46.941 ug/l
RT: 7.58 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion:113 Resp: 653981
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 24.0 18.8 28.2



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

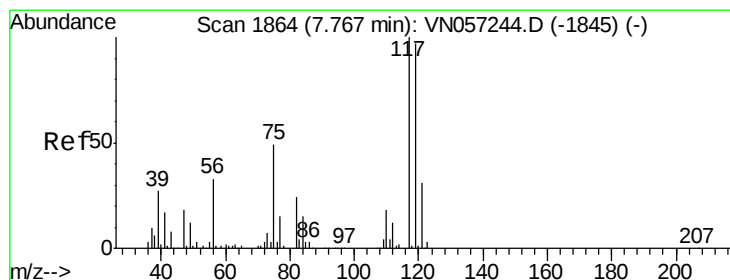
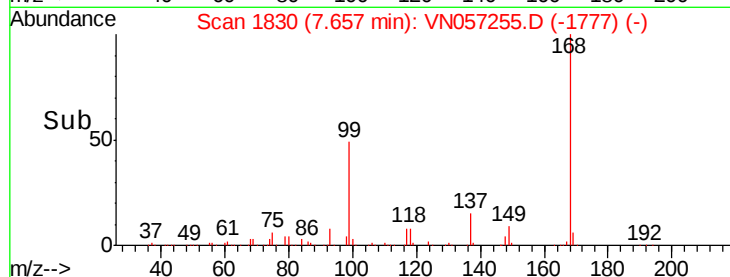
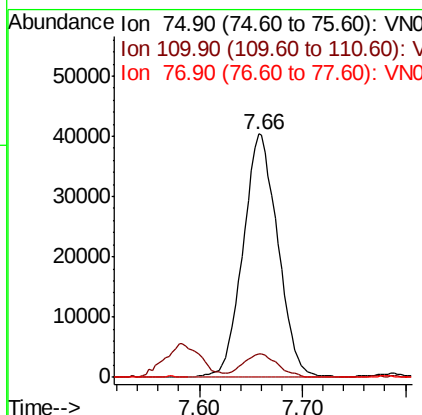
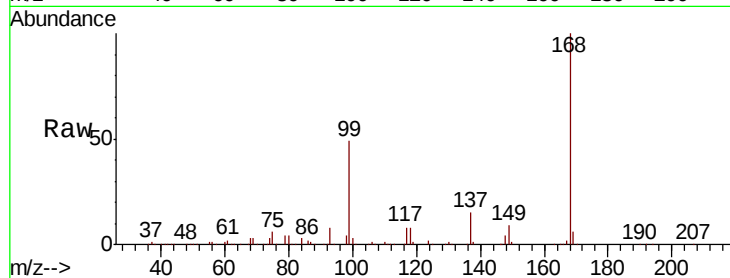




#36
 1,1-Dichloropropene
 Concen: 4.958 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

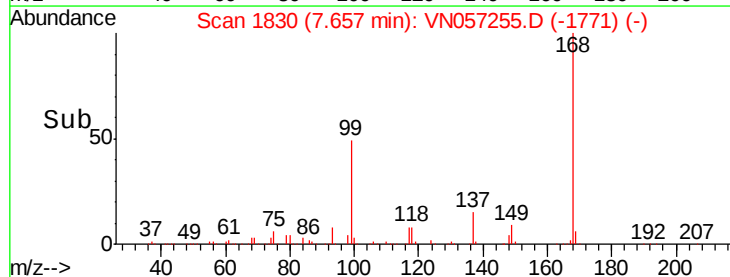
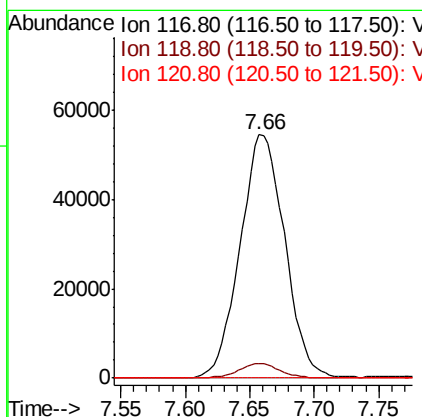
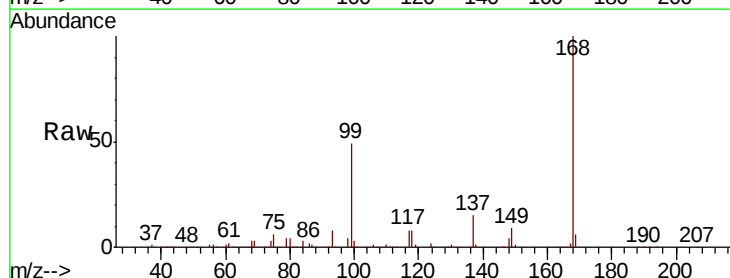
Instrument :
 MSVOA_N
 ClientSampleID :
 PB122204TB

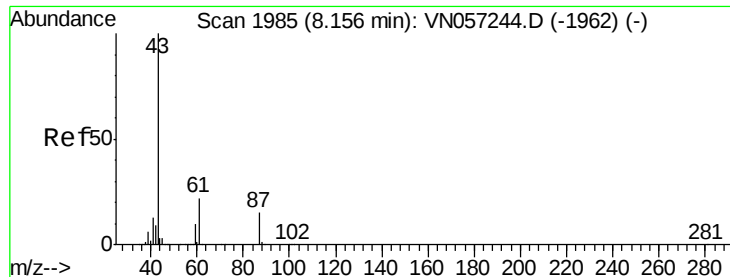
Tgt Ion: 75 Resp: 94581
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 6.490 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion: 117 Resp: 131514
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.8 116.6#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 8.086 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB122204TB

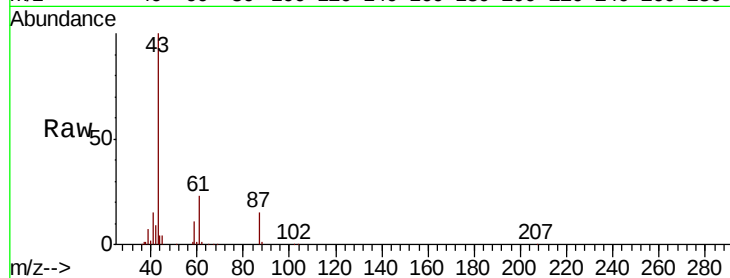
Tgt Ion: 43 Resp: 204193

Ion Ratio Lower Upper

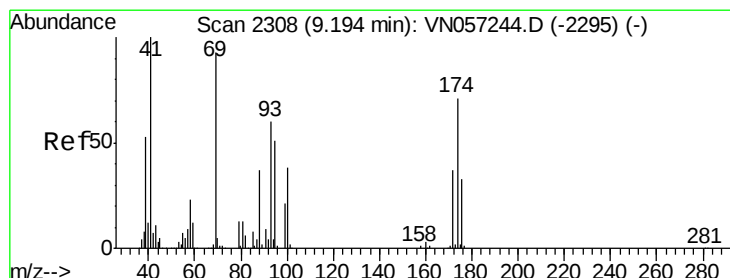
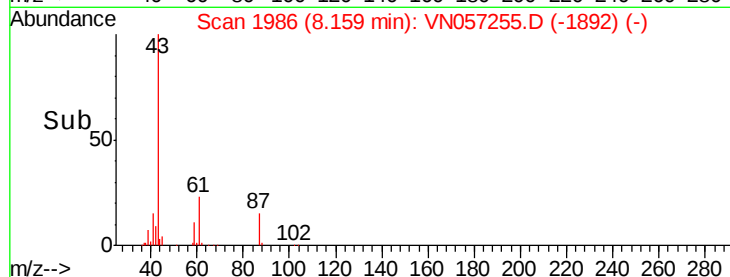
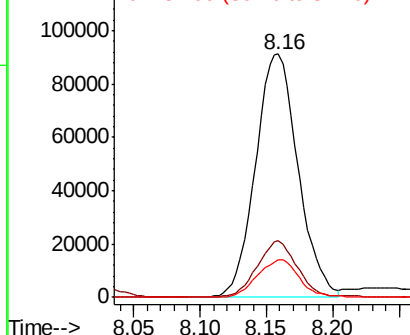
43 100

61 21.8 23.5 35.3#

87 15.2 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 0.989 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

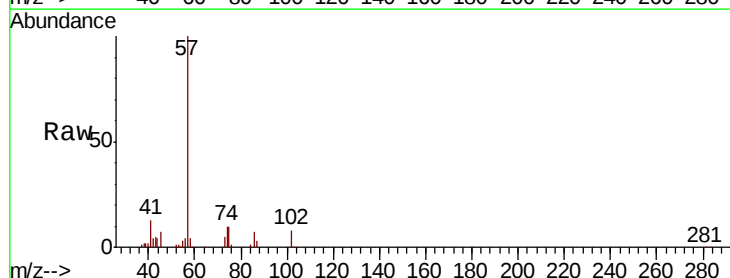
Tgt Ion: 41 Resp: 11550

Ion Ratio Lower Upper

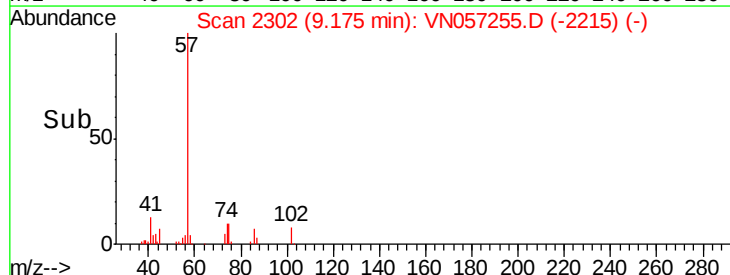
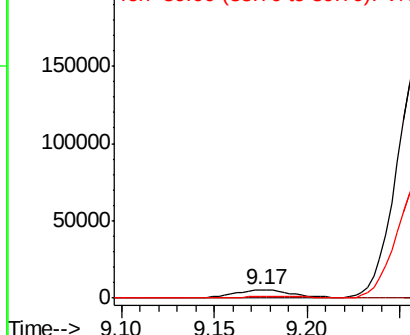
41 100

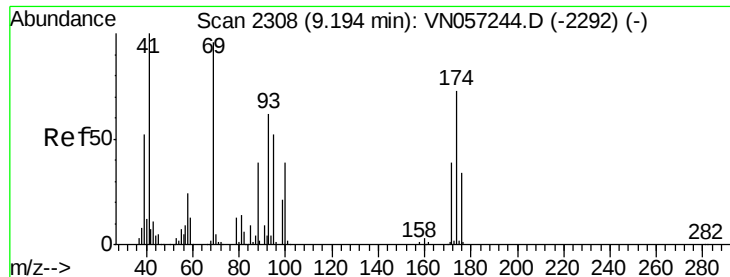
69 0.0 75.7 113.5#

39 0.0 43.3 64.9#



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: 0.680 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB122204TB

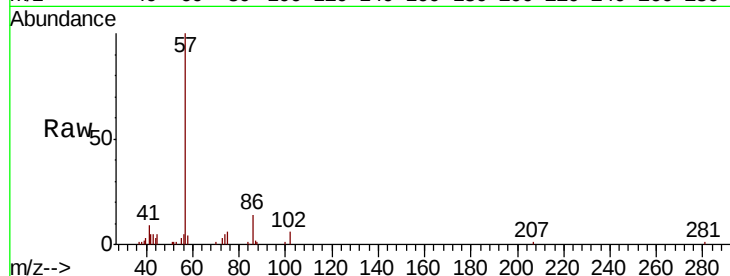
Tgt Ion: 88 Resp: 179

Ion Ratio Lower Upper

88 100

43 0.0 20.7 31.1#

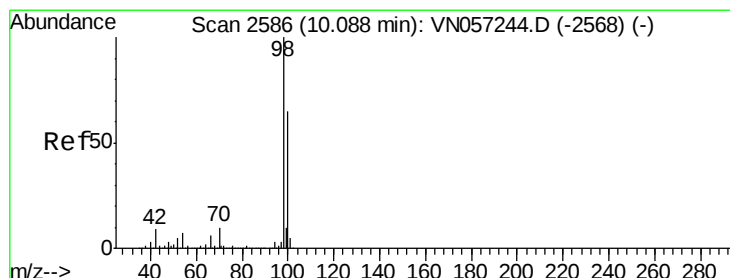
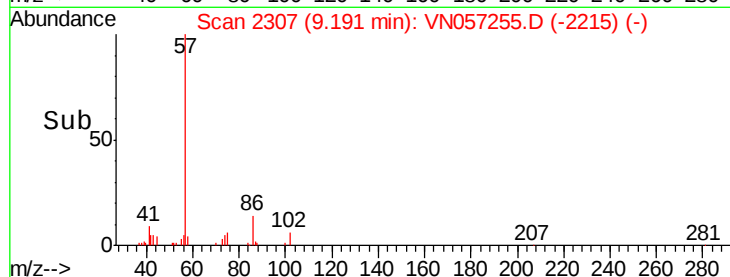
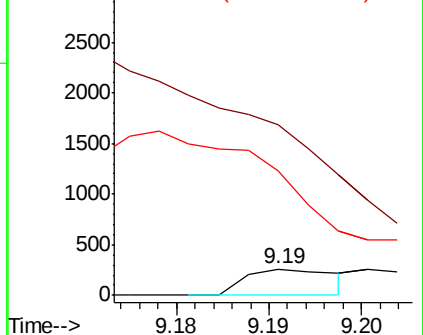
58 2037.4 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.245 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057255.D

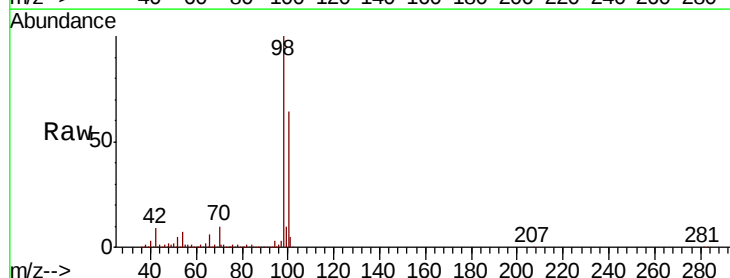
Acq: 13 Aug 2019 19:00

Tgt Ion: 98 Resp: 2553192

Ion Ratio Lower Upper

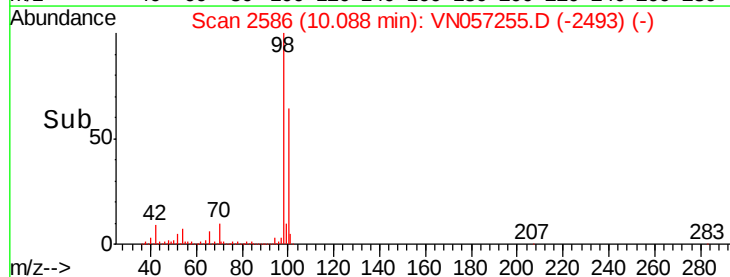
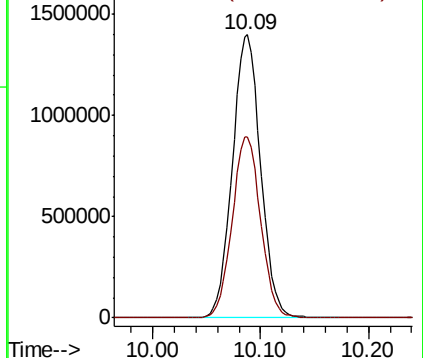
98 100

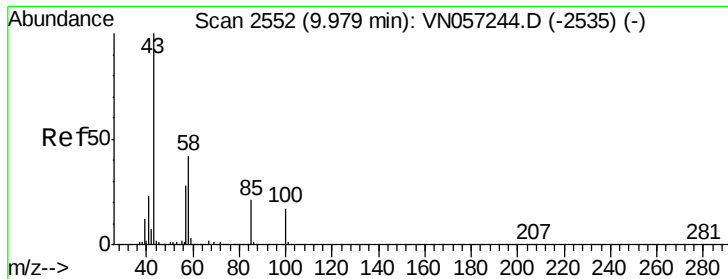
100 64.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

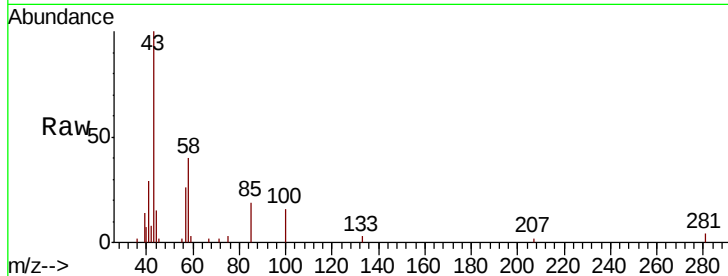
PB122204TB

Tgt Ion: 43 Resp: 14867

Ion Ratio Lower Upper

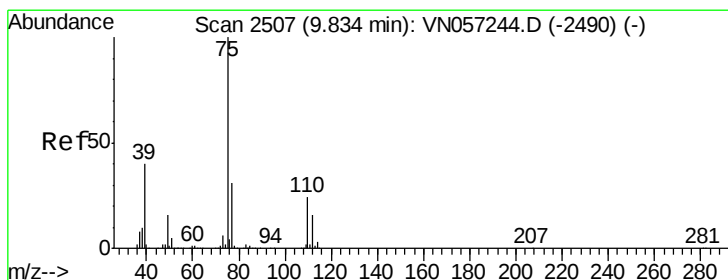
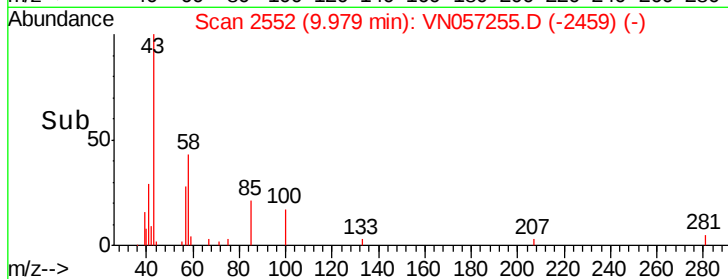
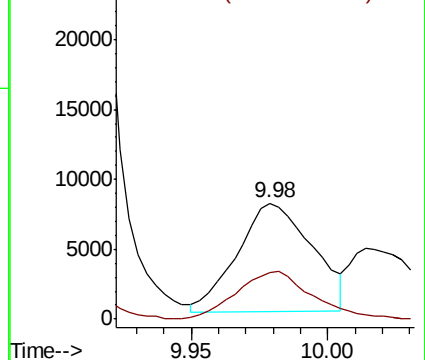
43 100

58 44.5 33.7 50.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.636 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

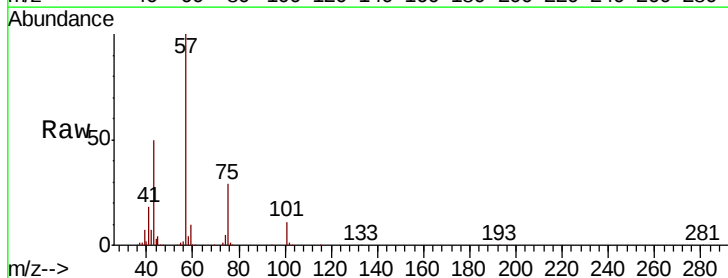
Tgt Ion: 75 Resp: 106669

Ion Ratio Lower Upper

75 100

77 0.4 25.0 37.6#

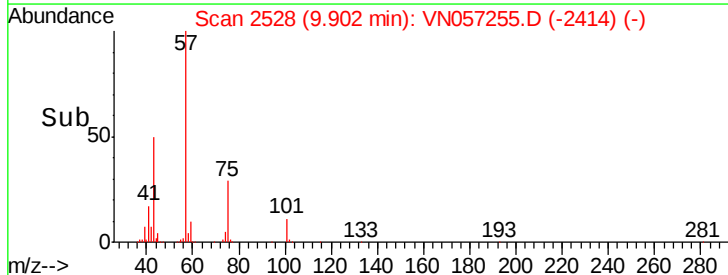
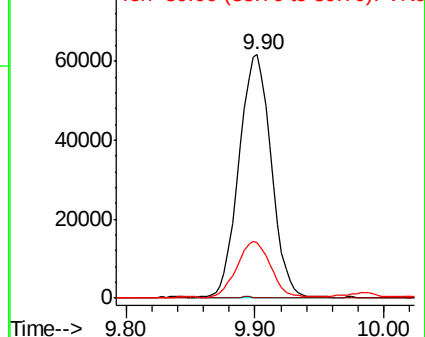
39 22.0 32.3 48.5#

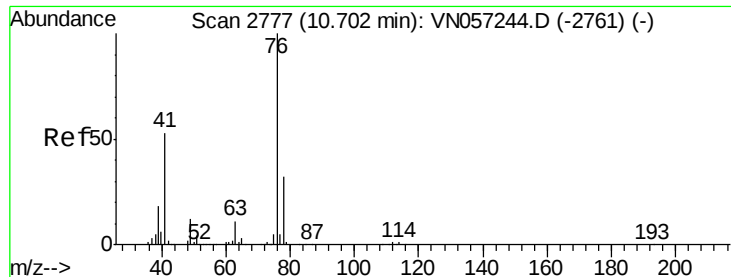


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

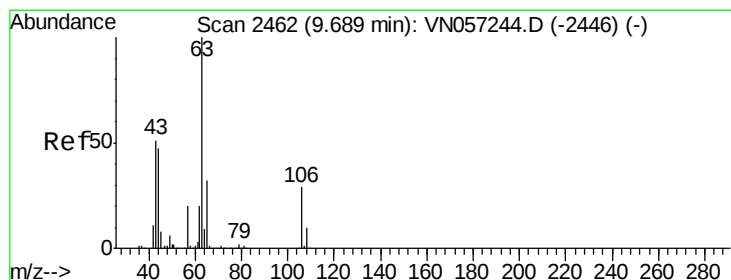
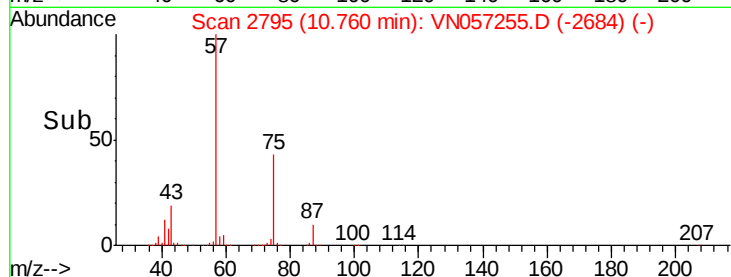
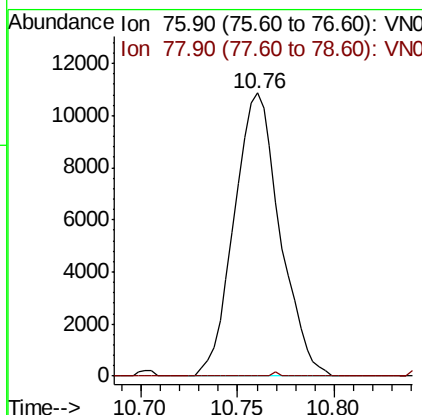
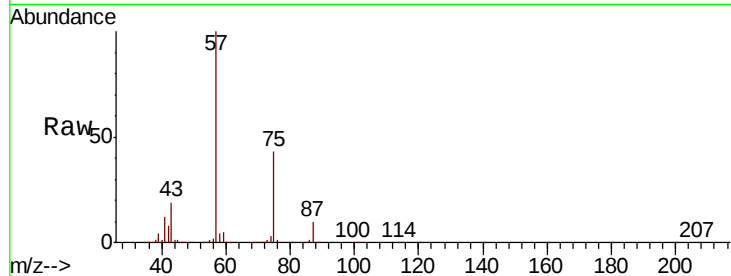




#57
 1,3-Dichloropropane
 Concen: 0.770 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

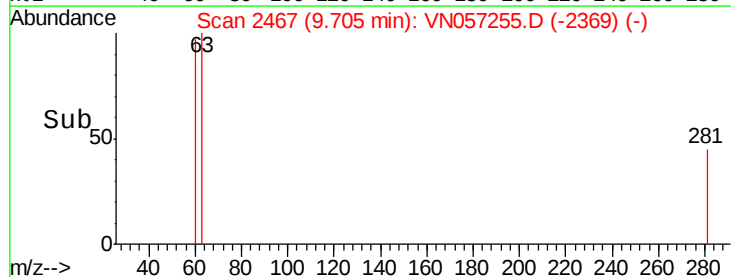
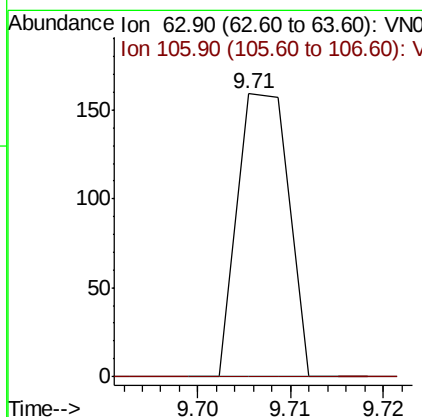
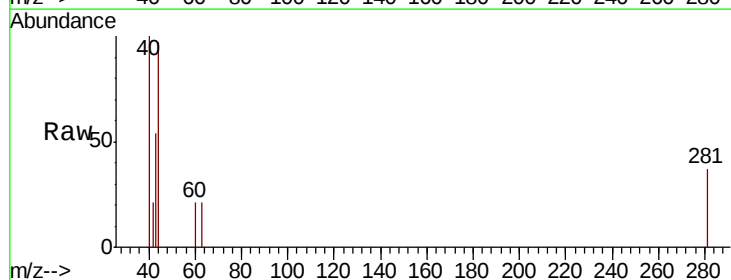
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

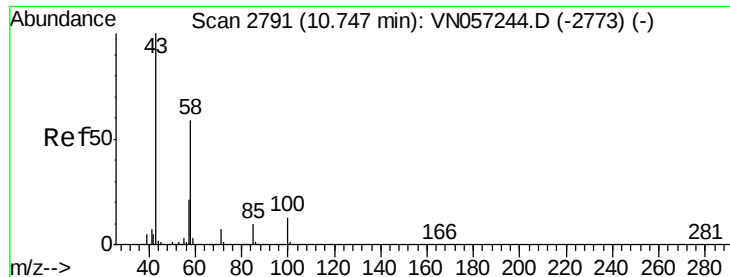
Tgt Ion: 76 Resp: 17883
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.0 39.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.536 ug/l
 RT: 9.71 min Scan# 2467
 Delta R.T. 0.02 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion: 63 Resp: 61
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.4 35.2#

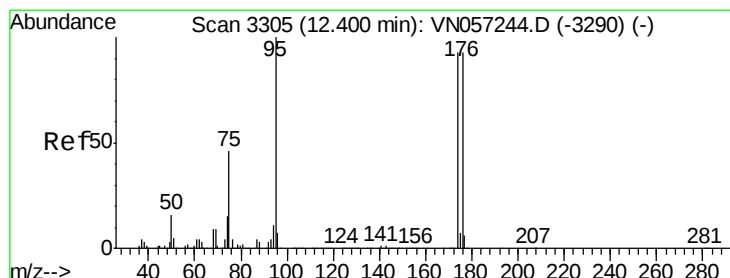
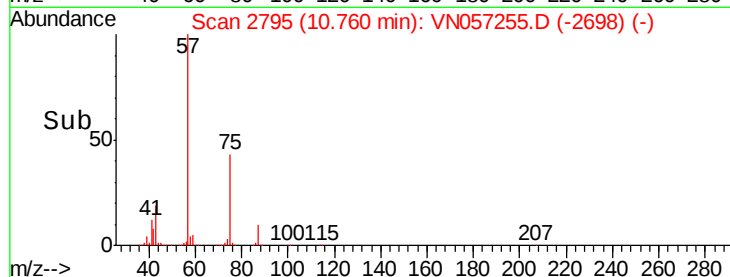
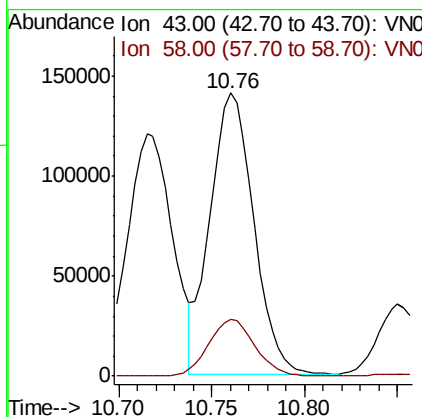
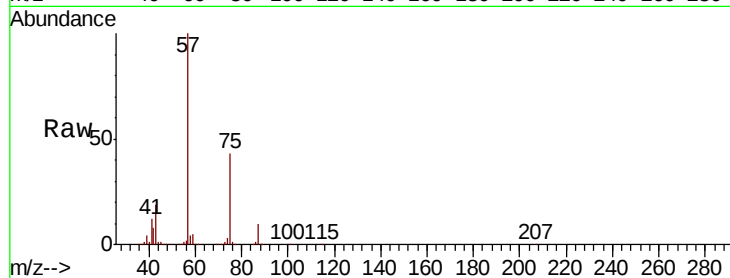




#59
2-Hexanone
Concen: 21.979 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

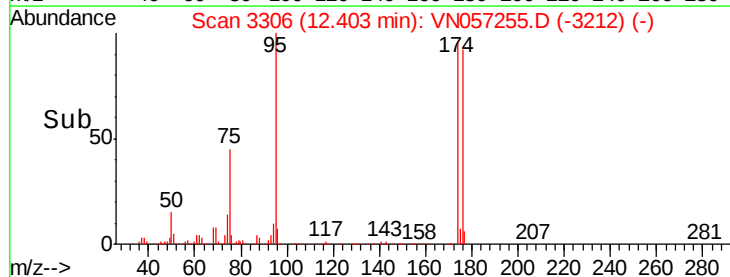
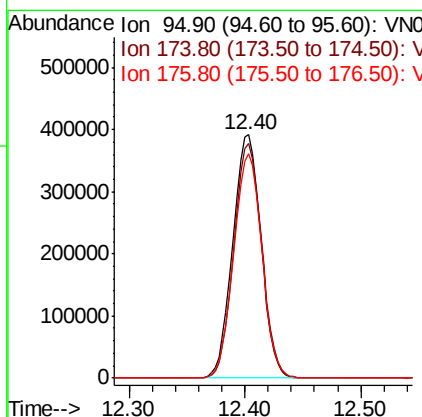
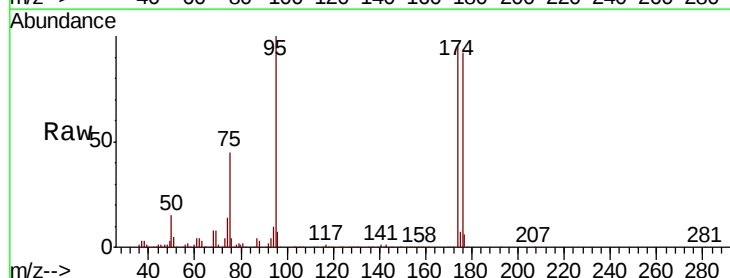
Instrument :
MSVOA_N
ClientSampleId :
PB122204TB

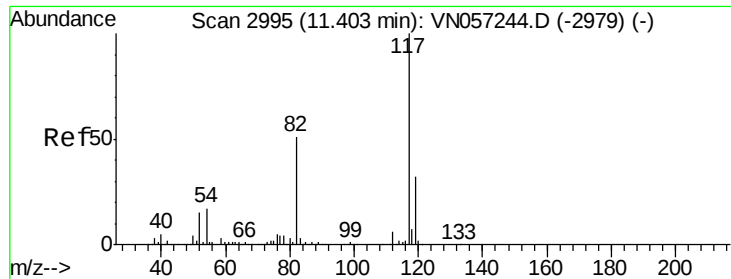
Tgt Ion: 43 Resp: 231230
Ion Ratio Lower Upper
43 100
58 21.4 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 37.705 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion: 95 Resp: 657076
Ion Ratio Lower Upper
95 100
174 95.6 0.0 187.6
176 91.8 0.0 185.8

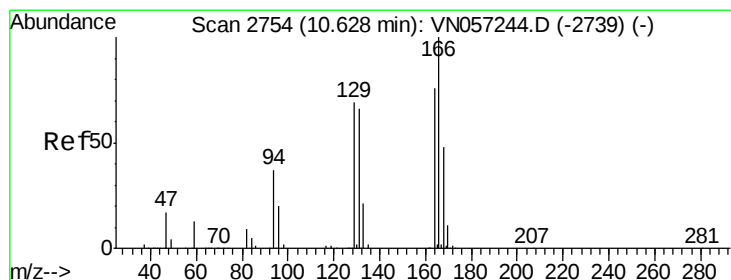
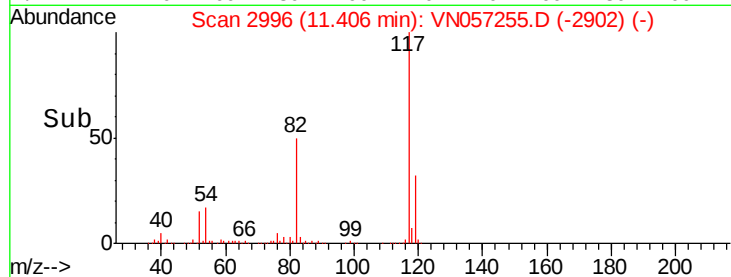
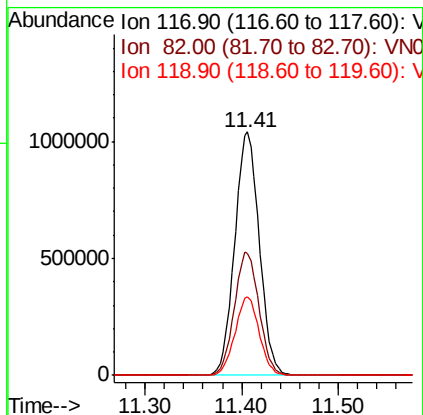
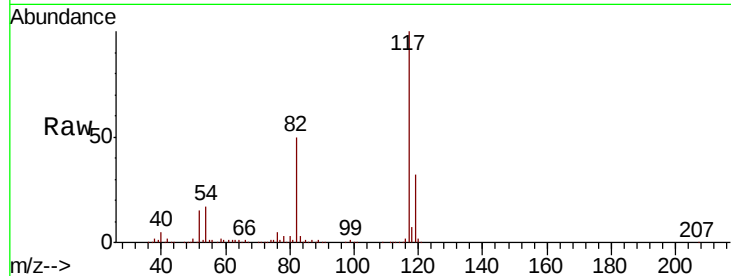




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

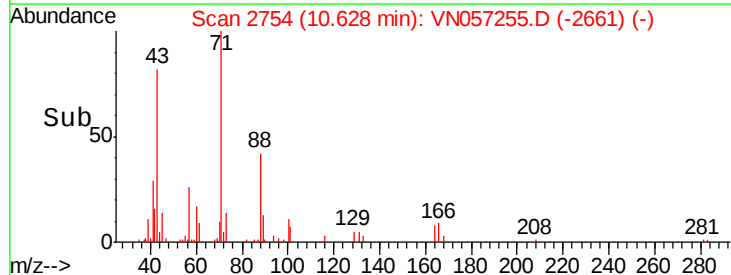
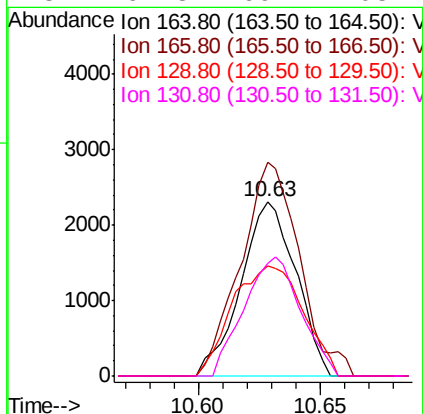
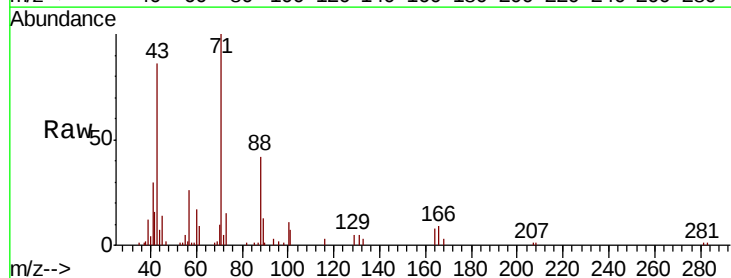
Instrument :
MSVOA_N
ClientSampled :
PB122204TB

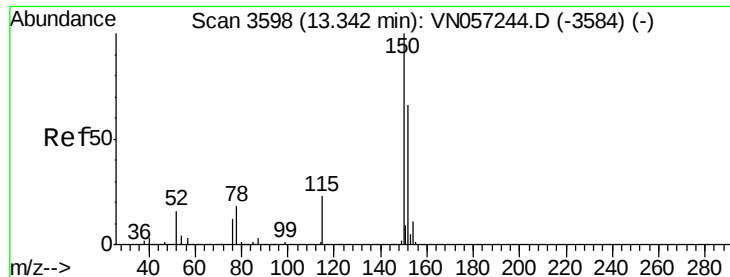
Tgt Ion:117 Resp: 1831178
Ion Ratio Lower Upper
117 100
82 50.3 40.9 61.3
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 0.222 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion:164 Resp: 3596
Ion Ratio Lower Upper
164 100
166 122.3 104.9 157.3
129 62.9 71.9 107.9#
131 64.8 69.1 103.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

PB122204TB

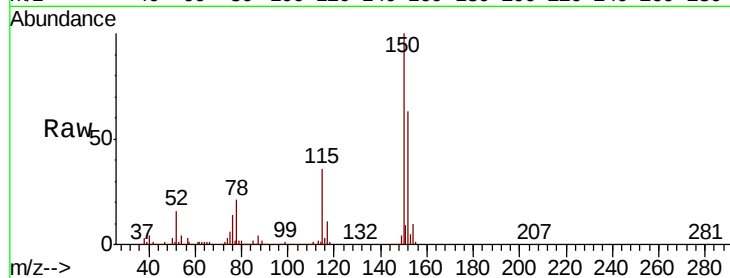
Tgt Ion:152 Resp: 440717

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

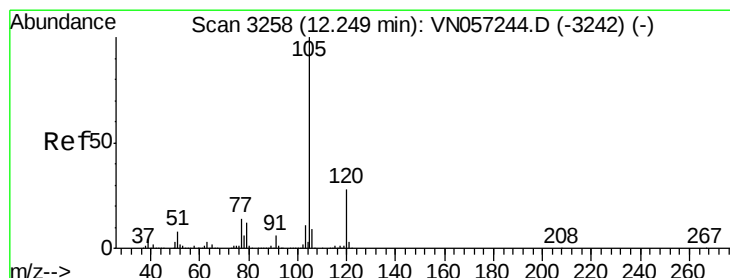
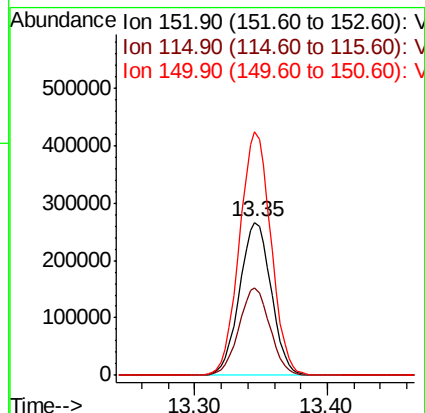
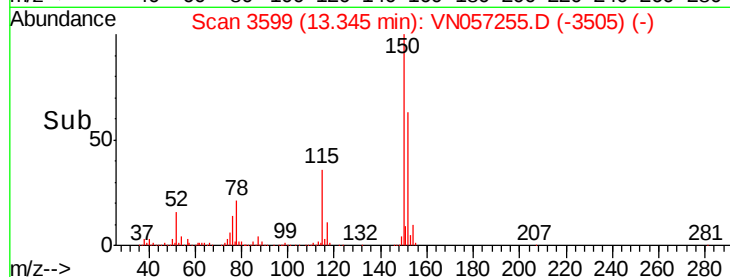
150 157.9 0.0 348.4



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057255.D

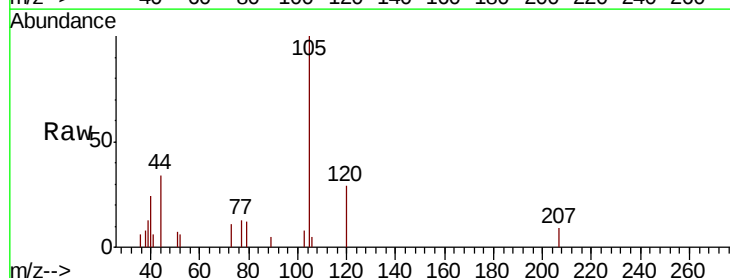
Acq: 13 Aug 2019 19:00

Tgt Ion:105 Resp: 4227

Ion Ratio Lower Upper

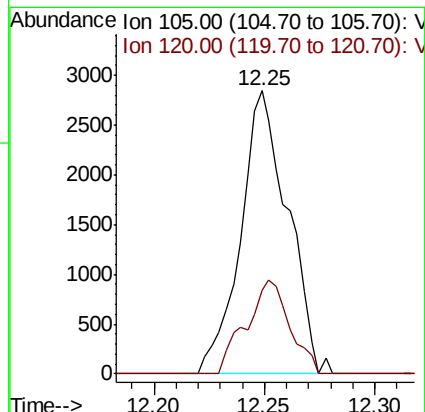
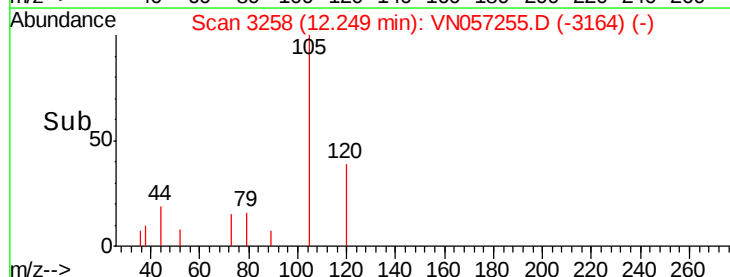
105 100

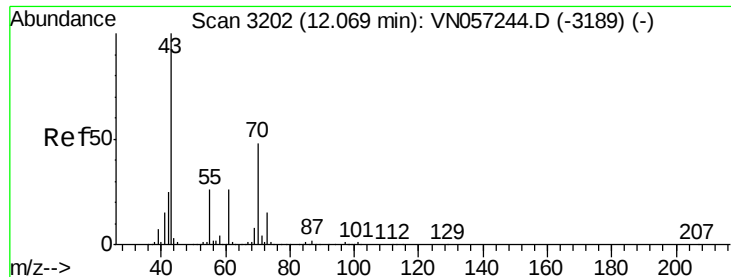
120 30.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

PB122204TB

Tgt Ion: 43 Resp: 3272

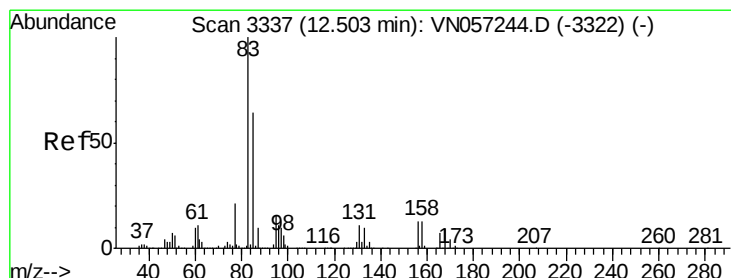
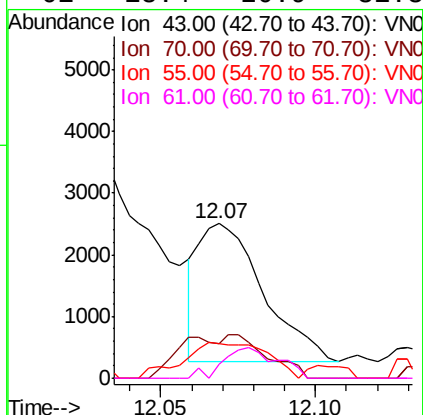
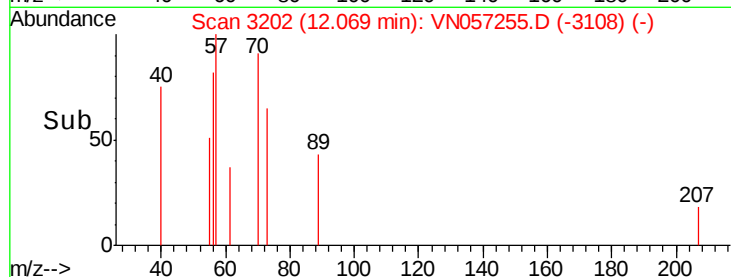
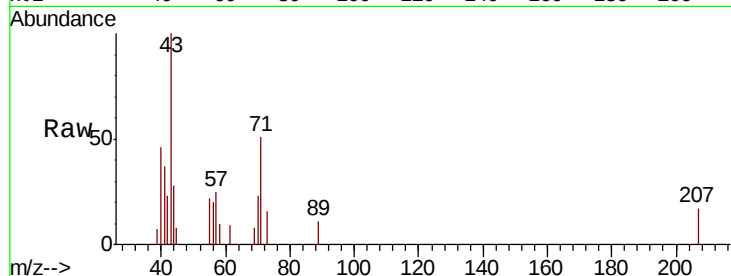
Ion Ratio Lower Upper

43 100

70 20.3 37.4 56.2#

55 33.1 21.0 31.4#

61 18.4 20.9 31.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

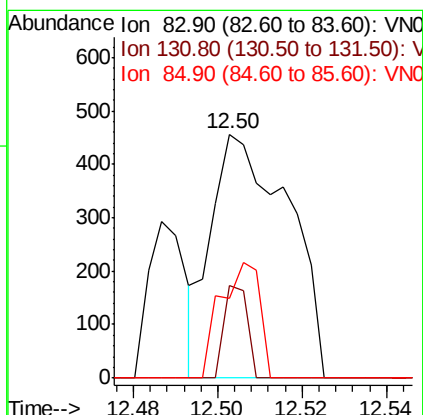
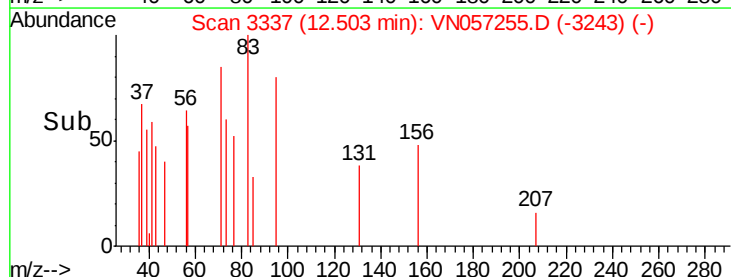
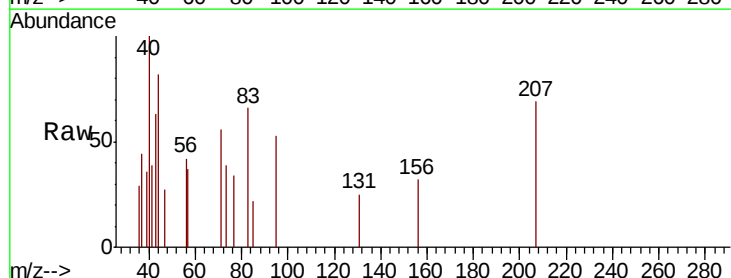
Tgt Ion: 83 Resp: 577

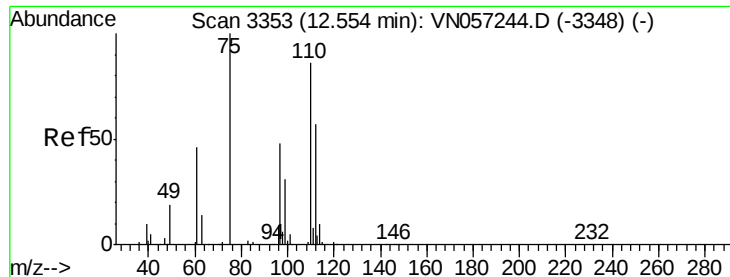
Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

85 24.3 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 38.252 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

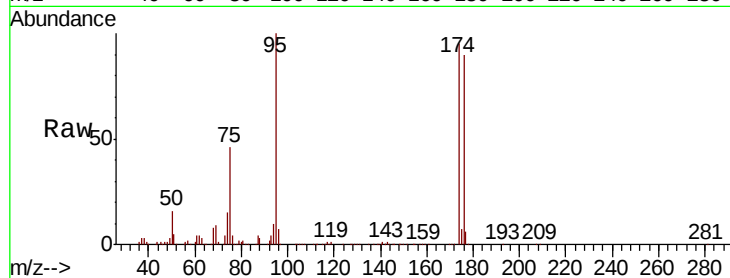
PB122204TB

Tgt Ion: 75 Resp: 301485

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN057244.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057244.D (-3348) (-)

12.40

200000

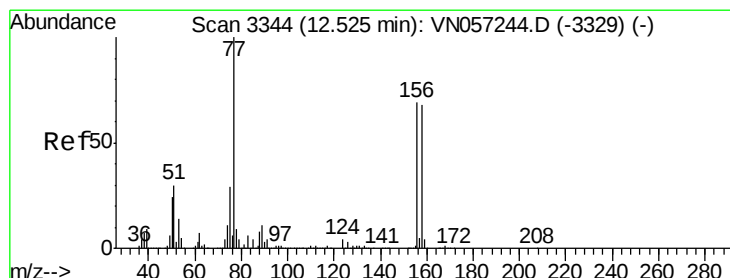
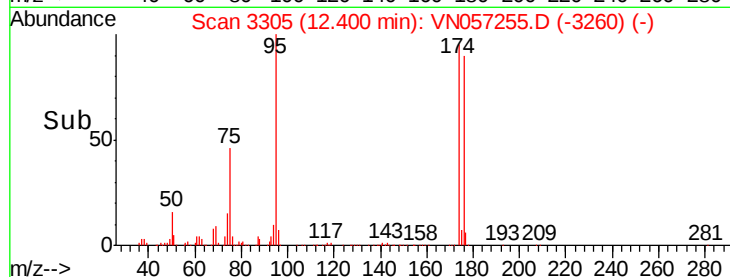
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

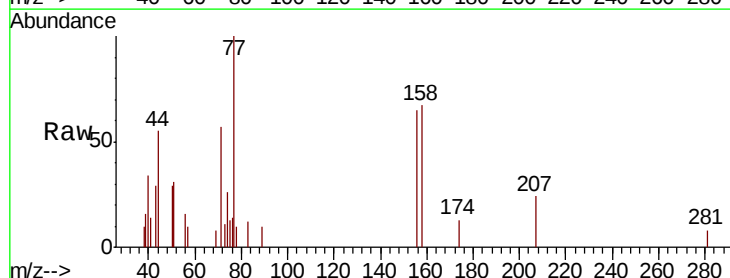
Tgt Ion: 156 Resp: 1945

Ion Ratio Lower Upper

156 100

77 179.8 88.0 264.1

158 106.9 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): VN057244.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN057244.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN057244.D (-3329) (-)

2500

2000

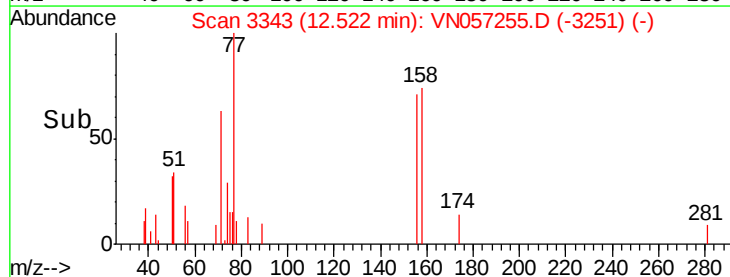
1500

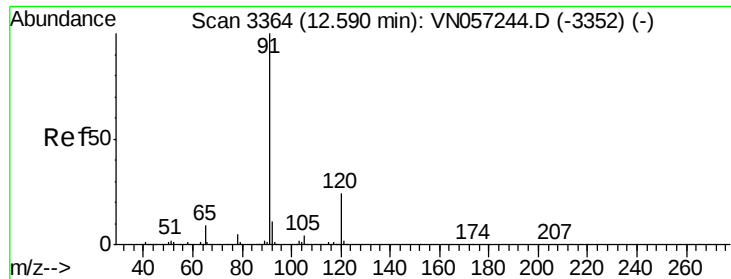
1000

500

0

Time--> 12.50 12.52 12.55

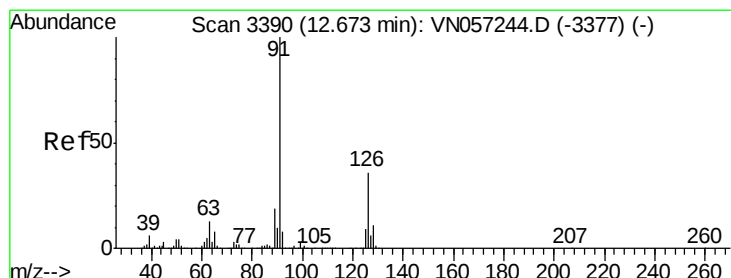
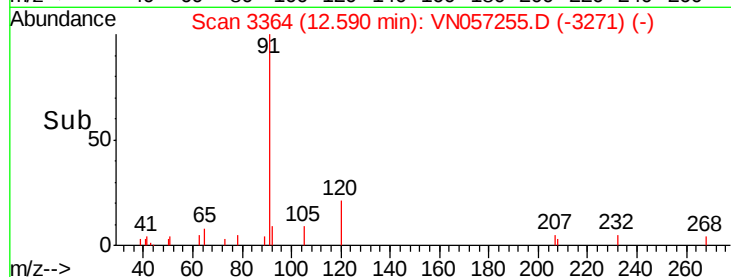
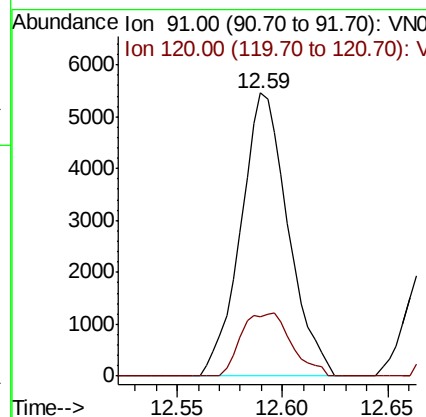
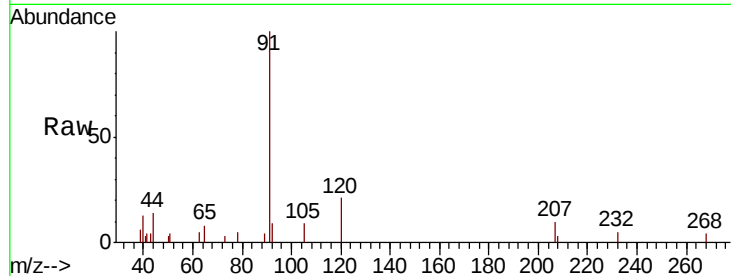




#78
n-propylbenzene
Concen: Below Cal
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

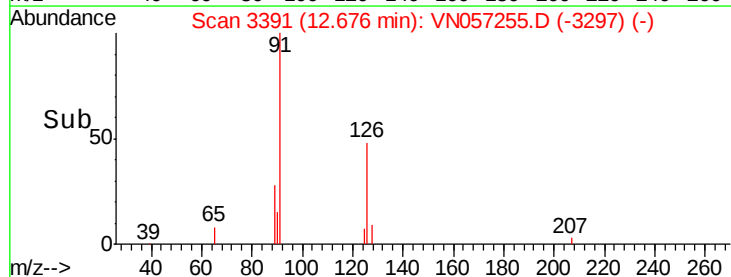
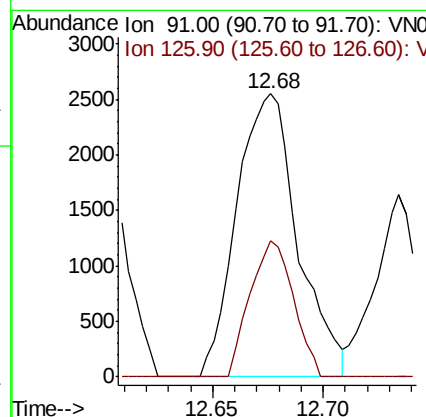
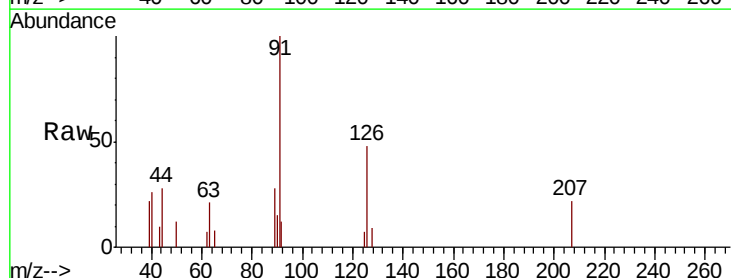
Instrument :
MSVOA_N
ClientSampleId :
PB122204TB

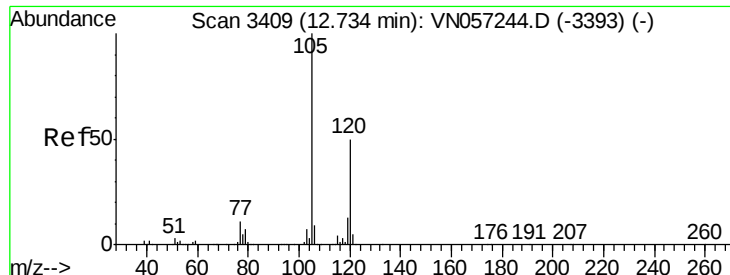
Tgt Ion: 91 Resp: 8511
Ion Ratio Lower Upper
91 100
120 23.7 12.1 36.3



#79
2-Chlorotoluene
Concen: Below Cal
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion: 91 Resp: 4904
Ion Ratio Lower Upper
91 100
126 34.3 18.0 54.0

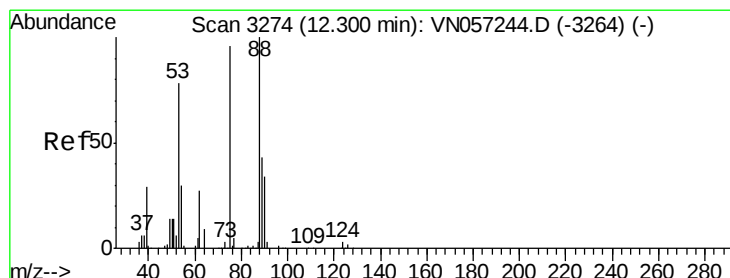
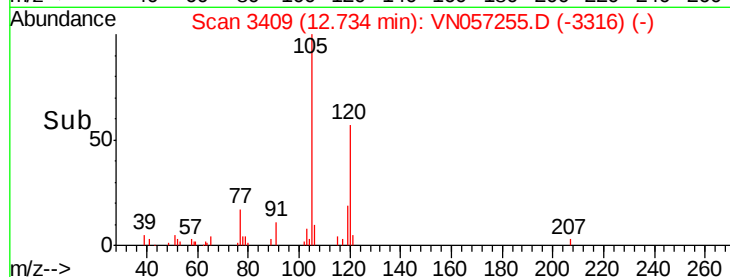
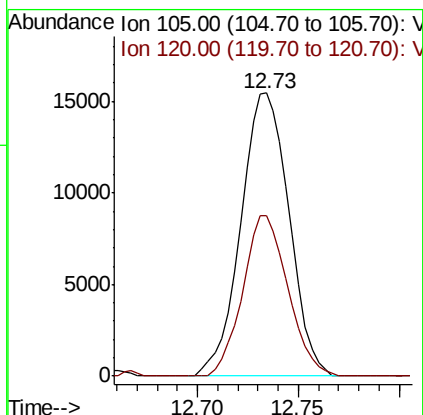
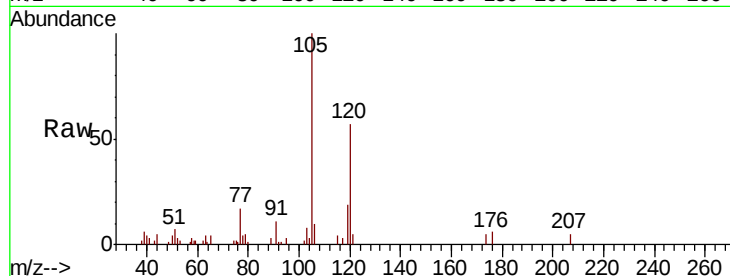




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

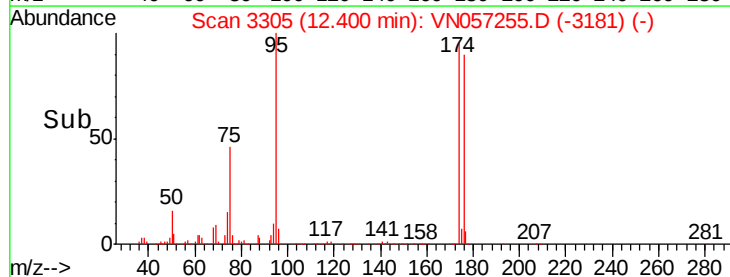
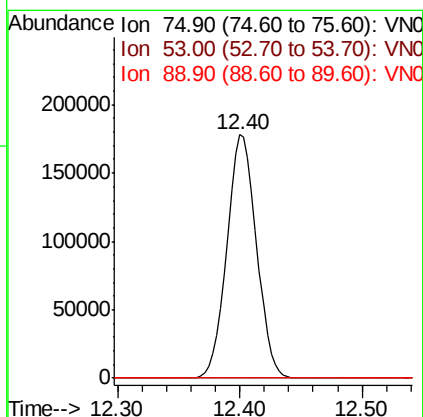
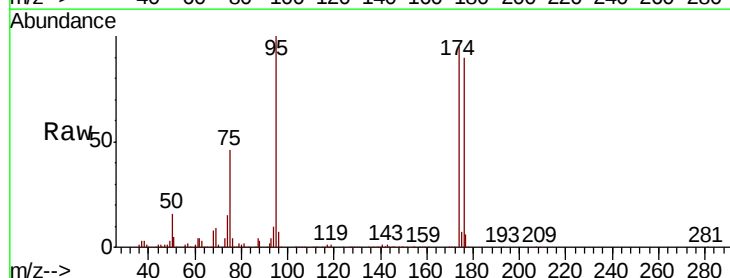
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

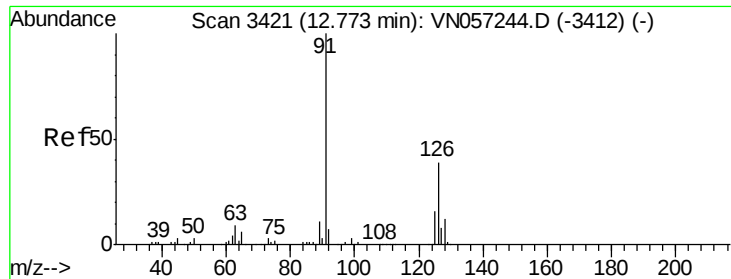
Tgt Ion: 105 Resp: 25823
 Ion Ratio Lower Upper
 105 100
 120 53.2 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.884 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion: 75 Resp: 301485
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.6#
 89 0.0 36.7 55.1#





#82

4-Chlorotoluene

Concen: 0.307 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

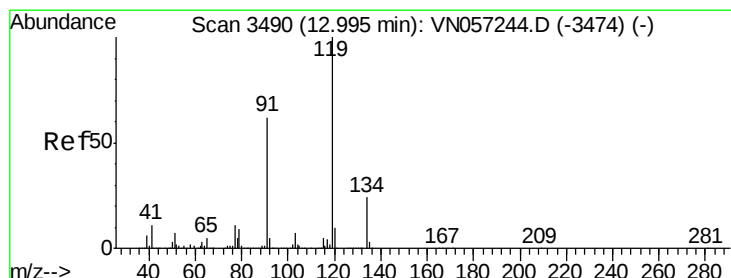
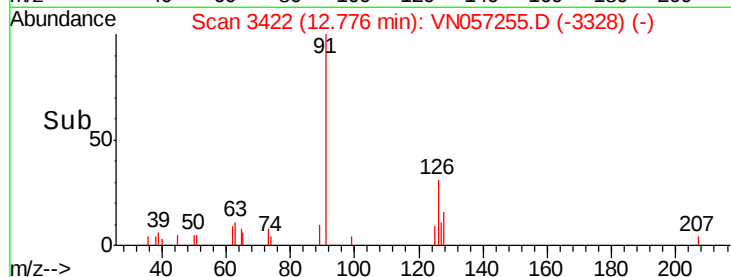
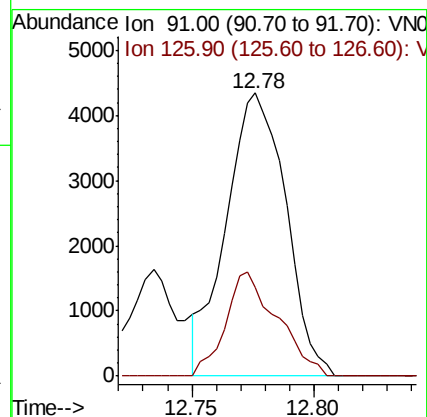
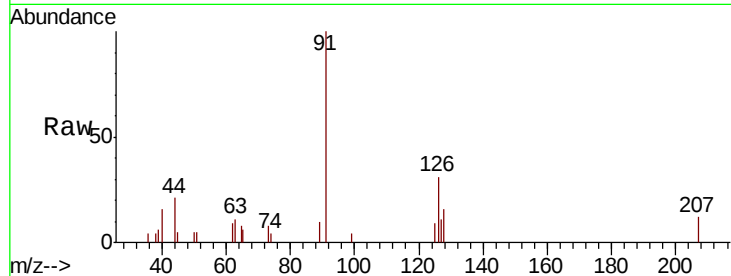
PB122204TB

Tgt Ion: 91 Resp: 7379

Ion Ratio Lower Upper

91 100

126 32.0 17.9 53.7



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

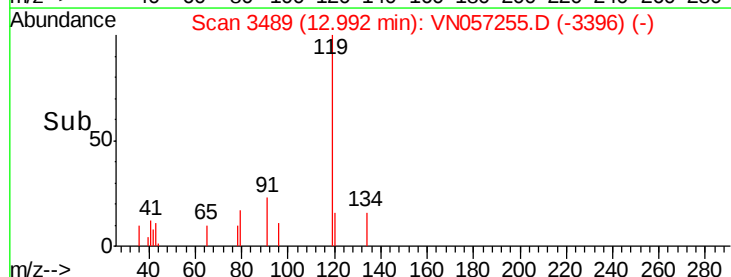
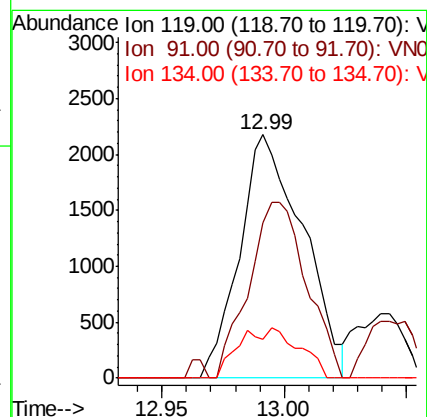
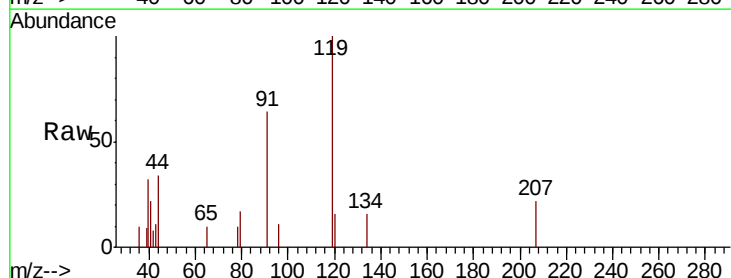
Tgt Ion: 119 Resp: 3926

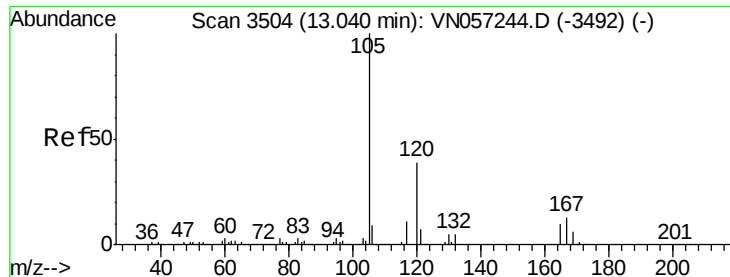
Ion Ratio Lower Upper

119 100

91 65.7 30.8 92.3

134 19.5 12.9 38.7

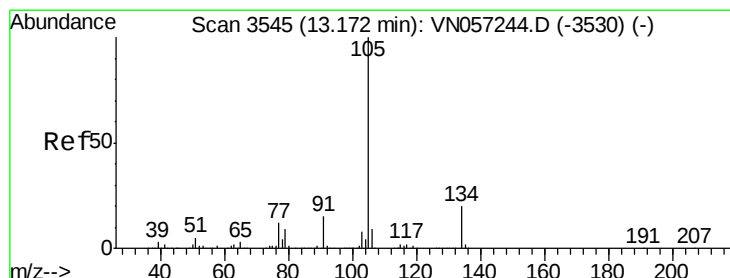
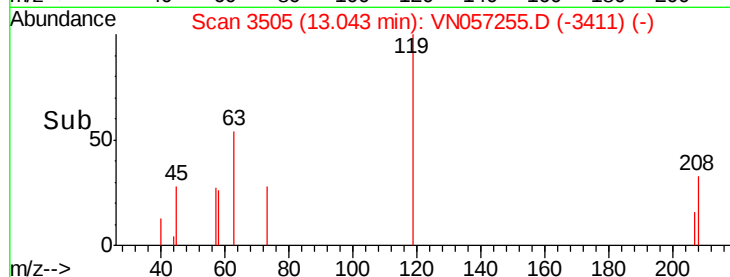
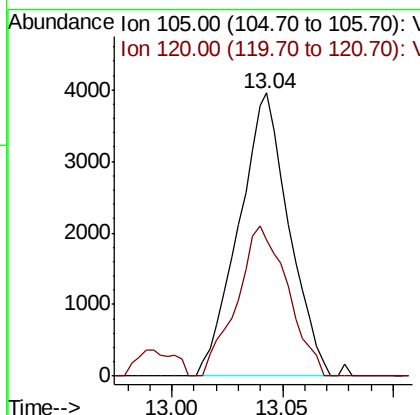
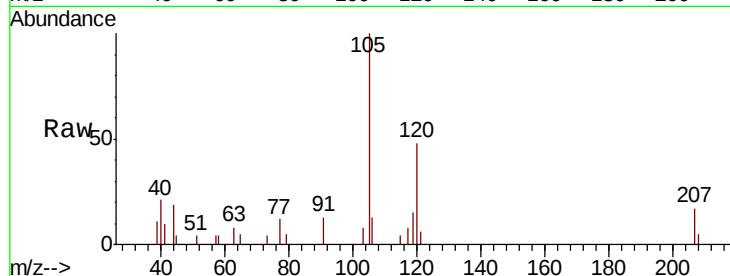




#84
 1,2,4-Trimethylbenzene
 Concen: 0.200 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

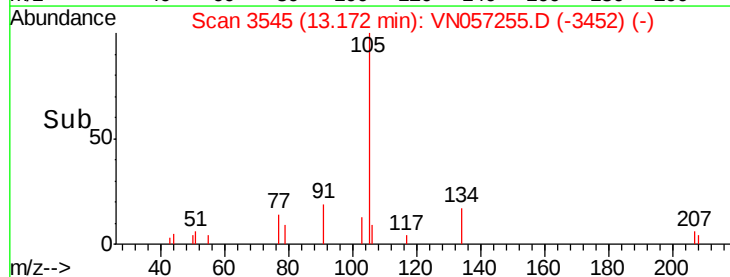
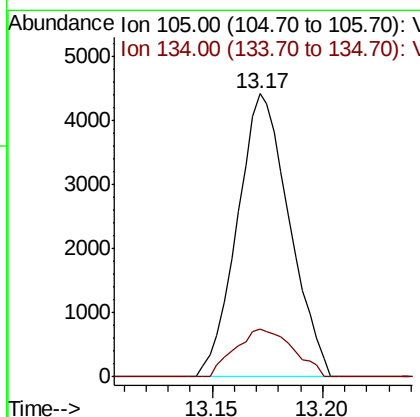
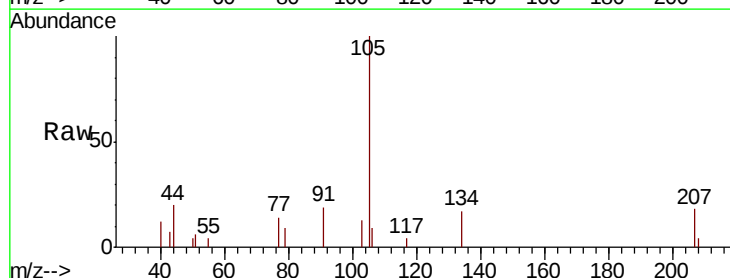
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

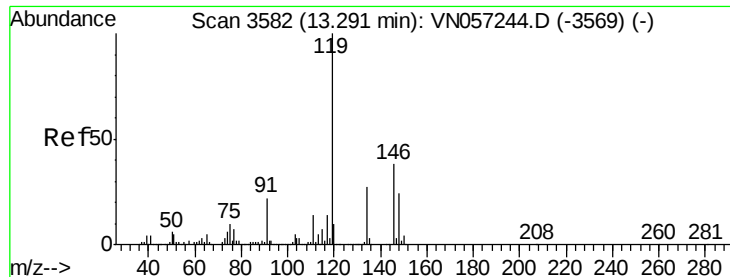
Tgt Ion:105 Resp: 6219
 Ion Ratio Lower Upper
 105 100
 120 53.8 23.2 69.5



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion:105 Resp: 7222
 Ion Ratio Lower Upper
 105 100
 134 18.8 10.4 31.2

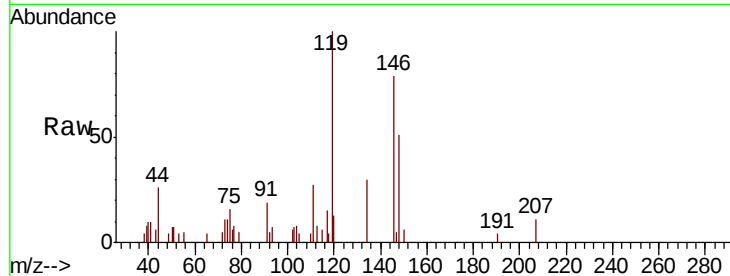




#86
p-Isopropyltoluene
Concen: 0.221 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Instrument :
MSVOA_N
ClientSampleId :
PB122204TB

Tgt Ion	Ratio	Lower	Upper
119	100		
134	20.6	13.5	40.5
91	18.8	11.1	33.3

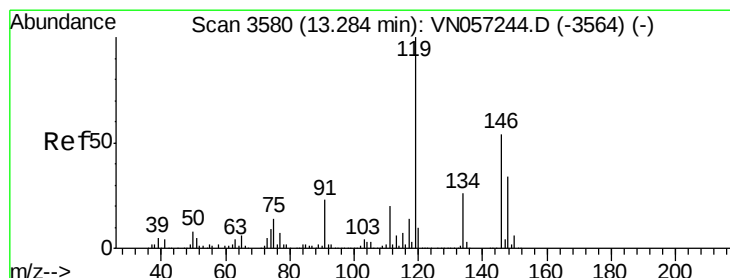
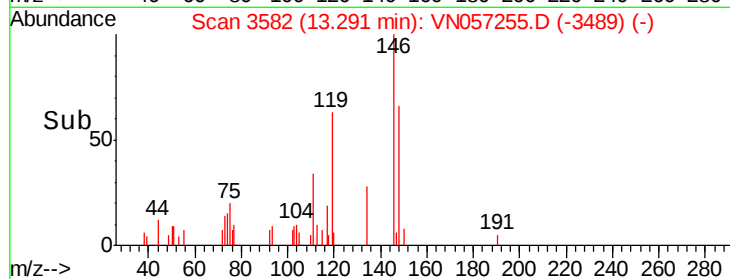
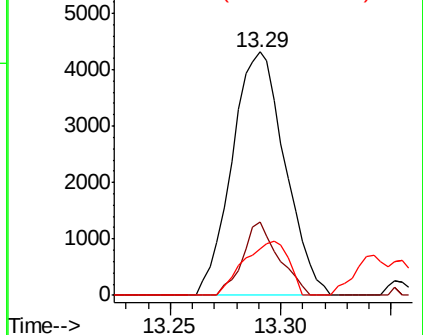


Abundance

Ion 119.00 (118.70 to 119.70): V

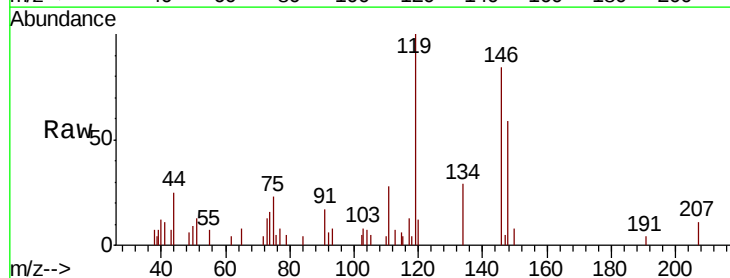
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
1,3-Dichlorobenzene
Concen: 0.390 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN057255.D
Acq: 13 Aug 2019 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.4
148	66.6	32.1	96.5

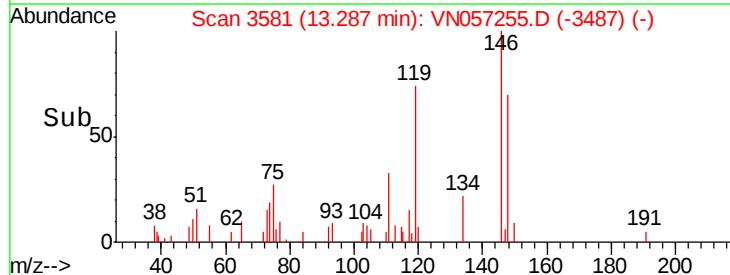
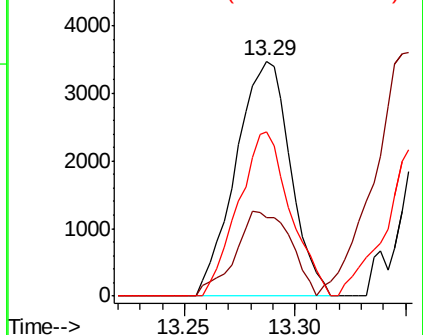


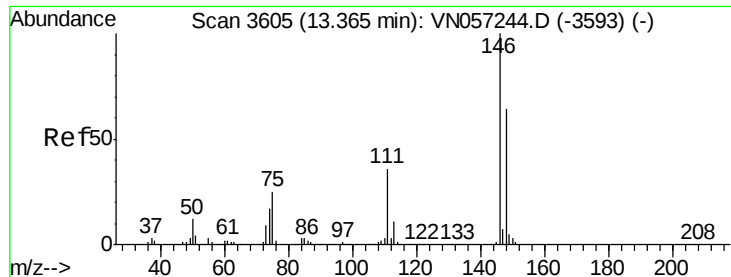
Abundance

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

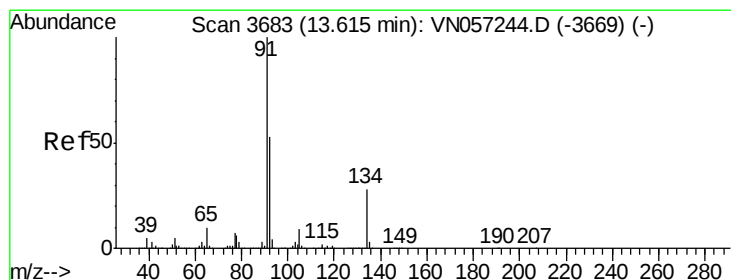
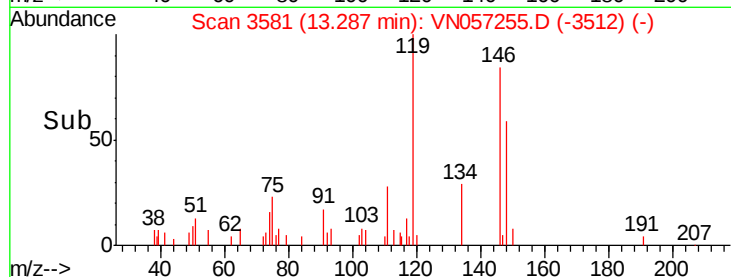
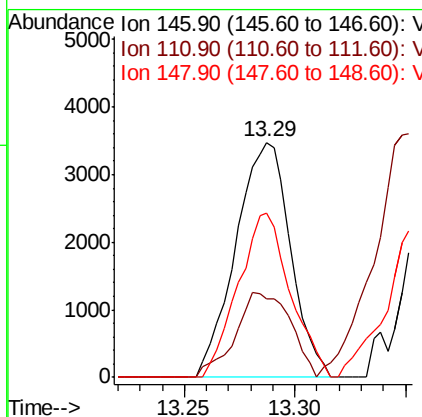
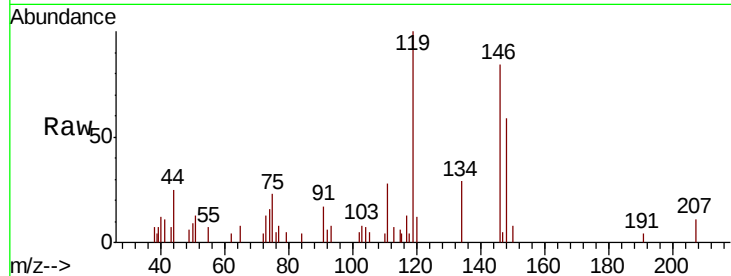




#88
 1,4-Dichlorobenzene
 Concen: 0.401 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

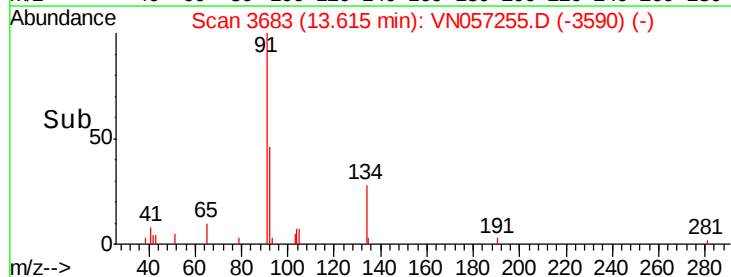
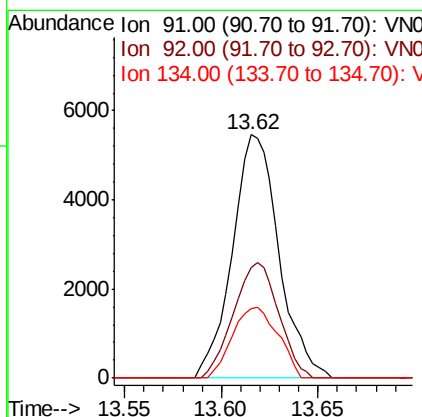
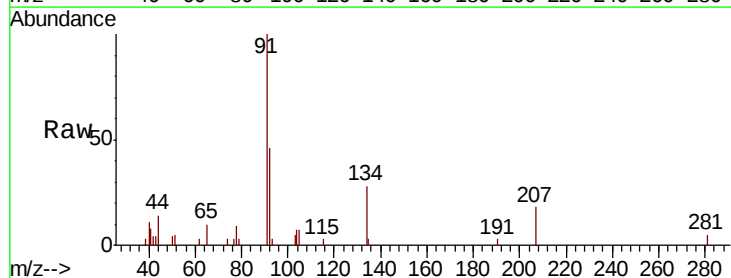
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

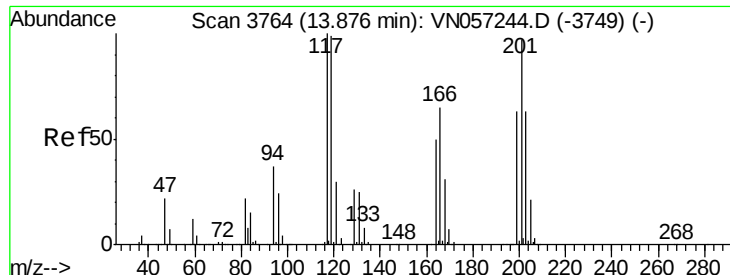
Tgt Ion: 146 Resp: 5962
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.3 54.8
 148 66.6 32.0 96.0



#89
 n-Butylbenzene
 Concen: 0.402 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion: 91 Resp: 9143
 Ion Ratio Lower Upper
 91 100
 92 46.0 26.3 78.9
 134 28.4 14.1 42.3





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampled :

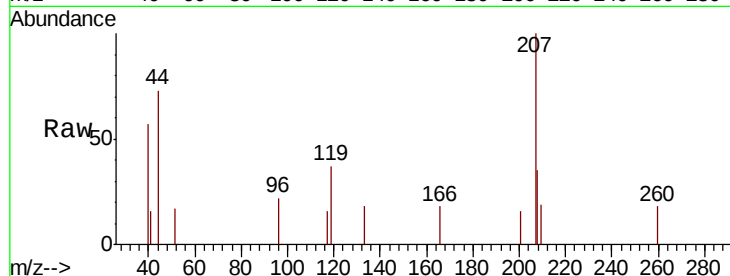
PB122204TB

Tgt Ion:117 Resp: 64

Ion Ratio Lower Upper

117 100

201 185.9 49.5 148.5#

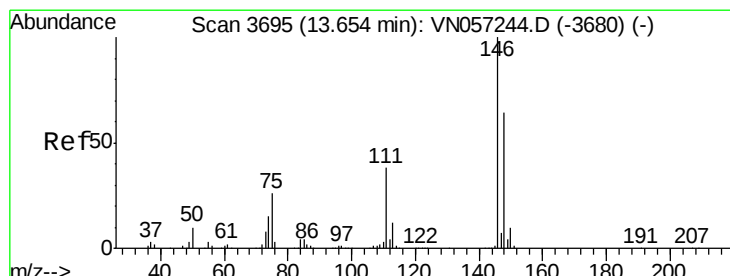
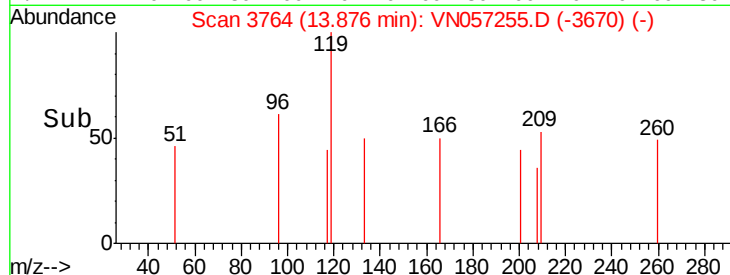


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.478 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

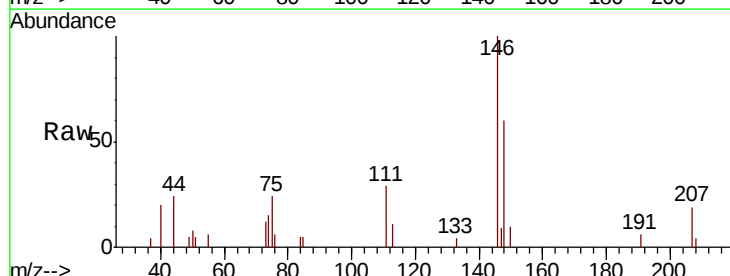
Tgt Ion:146 Resp: 7111

Ion Ratio Lower Upper

146 100

111 31.4 19.3 57.9

148 57.1 31.9 95.5



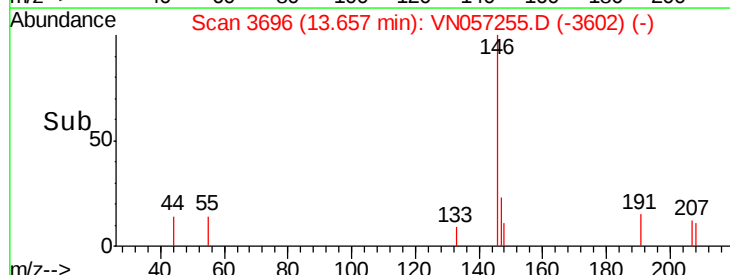
Abundance Ion 145.90 (145.60 to 146.60): V

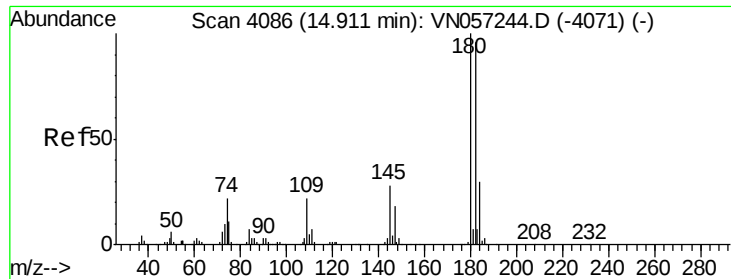
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

Time-->

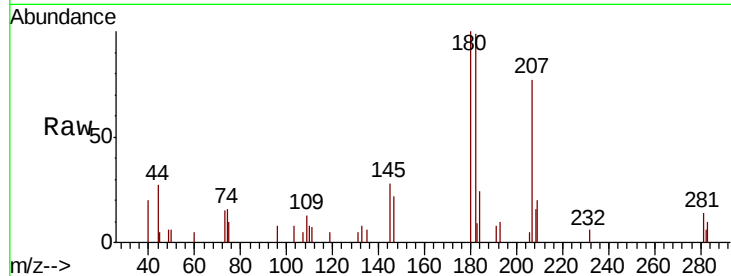




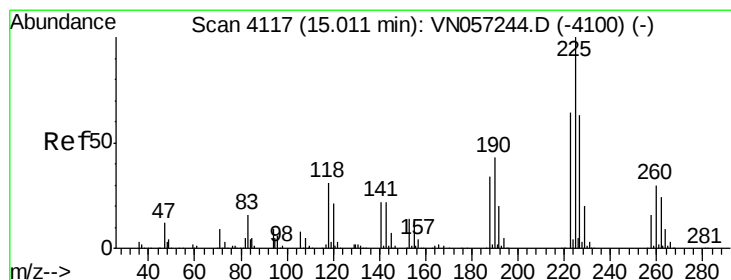
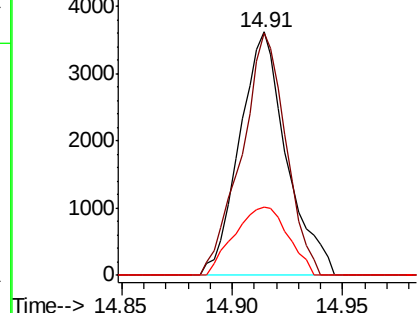
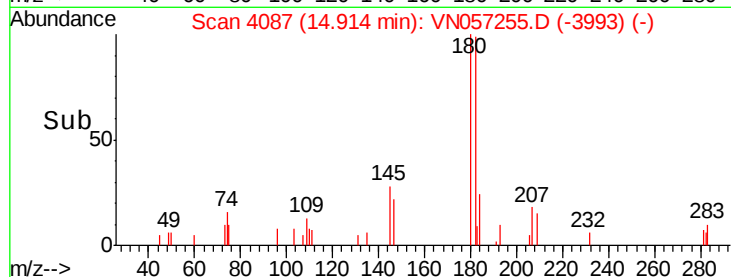
#93
 1,2,4-Trichlorobenzene
 Concen: 4.109 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122204TB

Tgt Ion:180 Resp: 5355
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.7 143.1
 145 32.0 14.2 42.6

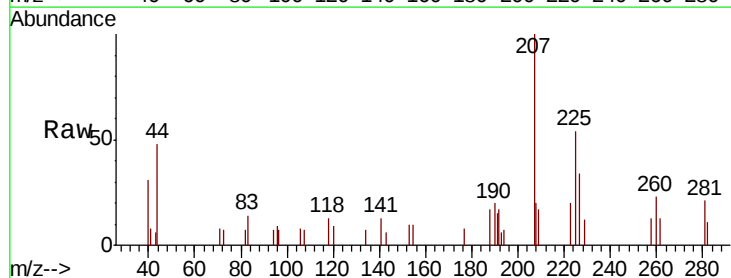


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

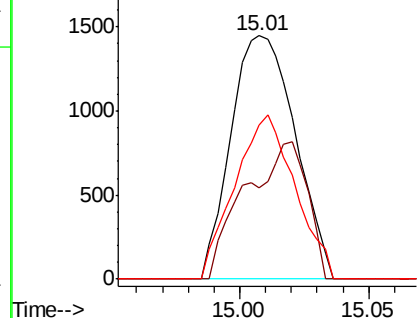
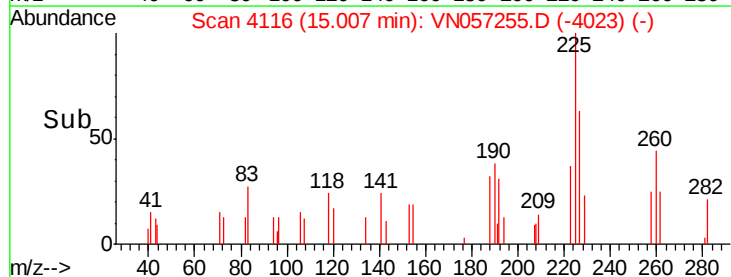


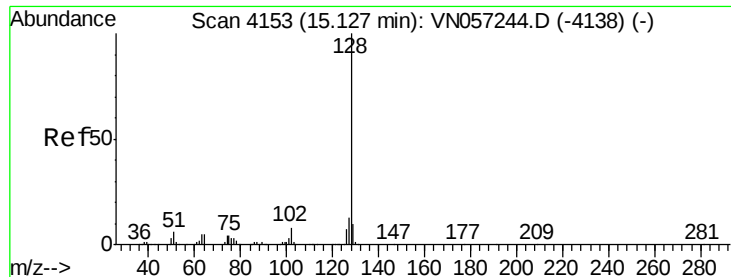
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057255.D
 Acq: 13 Aug 2019 19:00

Tgt Ion:225 Resp: 2518
 Ion Ratio Lower Upper
 225 100
 223 54.2 31.4 94.2
 227 63.4 31.4 94.3



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: 1.345 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB122204TB

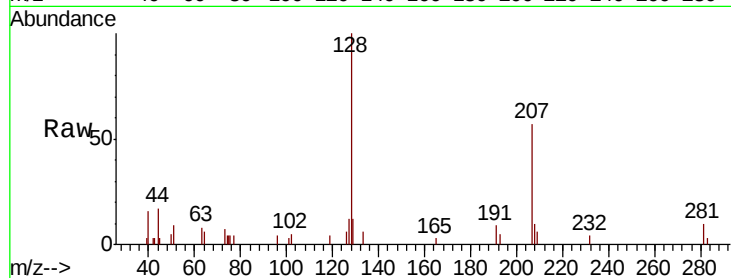
Tgt Ion:128 Resp: 9713

Ion Ratio Lower Upper

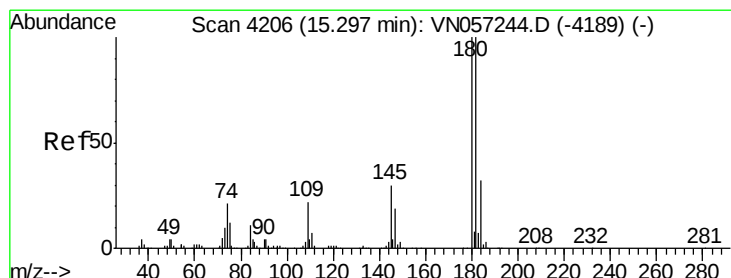
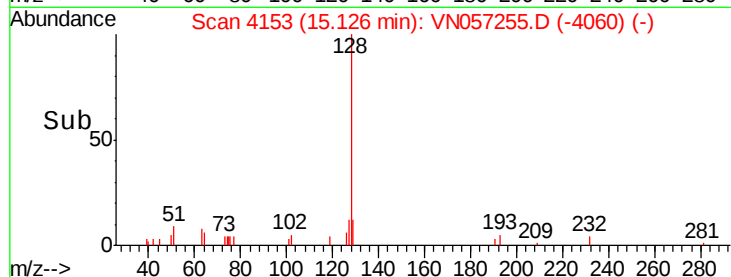
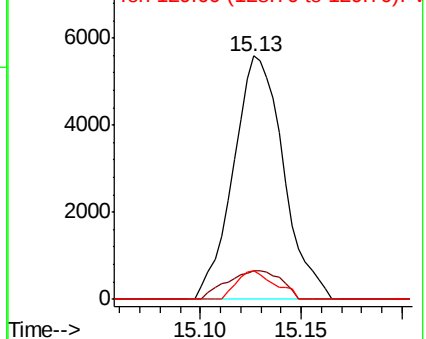
128 100

127 12.7 10.4 15.6

129 8.8 8.5 12.7



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: 5.247 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

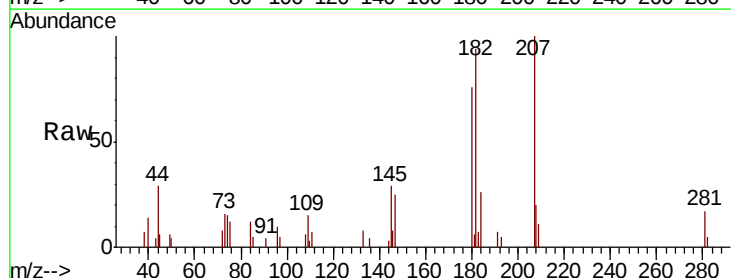
Tgt Ion:180 Resp: 5754

Ion Ratio Lower Upper

180 100

182 106.4 48.9 146.7

145 27.0 15.0 45.1



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

