

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057363.D
 Acq On : 16 Aug 2019 19:11
 Operator : JC/SP
 Sample : PB122303TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122303TB

Quant Time: Aug 17 03:44:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1037042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1426693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1180096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	464626	41.21	ug/l	0.00
Spiked Amount			Recovery	=	82.42%	
35) Dibromofluoromethane	7.58	113	424418	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	10.09	98	1659446	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	431552	35.70	ug/l	0.00
Spiked Amount			Recovery	=	71.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	1708	0.242	ug/l	95
11) Tert butyl alcohol	4.74	59	8484	5.293	ug/l #	73
16) Acetone	3.81	43	28843	7.375	ug/l	99
18) Methyl Acetate	4.32	43	18018	Below Cal	#	70
20) Methylene Chloride	4.54	84	38634	3.531	ug/l	87
31) Cyclohexane	7.66	56	14207	0.925	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	63303	5.025	ug/l #	48
38) Carbon Tetrachloride	7.66	117	88067	6.729	ug/l #	16
43) Isopropyl Acetate	8.16	43	117315	5.207	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	3446	0.347	ug/l #	44
48) Methyl methacrylate	9.18	41	12570	1.480	ug/l #	11
51) 4-Methyl-2-Pentanone	9.98	43	10673	1.003	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	94718	6.049	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	16874	1.071	ug/l #	43
59) 2-Hexanone	10.76	43	207471	27.113	ug/l #	52
64) Tetrachloroethene	10.63	164	2207	0.216	ug/l #	83
68) m/p-Xylenes	11.63	106	5305	0.342	ug/l	92
73) Isopropylbenzene	12.25	105	3561	Below Cal		99
74) N-amyl acetate	12.03	43	1887	0.219	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.50	83	474	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.40	75	195067	32.764	ug/l #	100
77) Bromobenzene	12.53	156	1779	Below Cal		90
78) n-propylbenzene	12.59	91	6735	0.236	ug/l	99
79) 2-Chlorotoluene	12.68	91	4696	Below Cal		99
80) 1,3,5-Trimethylbenzene	12.73	105	21007	Below Cal		94
81) trans-1,4-Dichloro-2-buten	12.40	75	195067	80.210	ug/l #	15
82) 4-Chlorotoluene	12.78	91	6095	0.360	ug/l	91
83) tert-Butylbenzene	12.99	119	3494	Below Cal		85
84) 1,2,4-Trimethylbenzene	13.04	105	5337	0.250	ug/l	96
85) sec-Butylbenzene	13.17	105	6278	Below Cal		96
86) p-Isopropyltoluene	13.29	119	6378	0.292	ug/l	92
87) 1,3-Dichlorobenzene	13.28	146	5366	0.516	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	5366	0.544	ug/l	99
89) n-Butylbenzene	13.62	91	7606	0.488	ug/l	91

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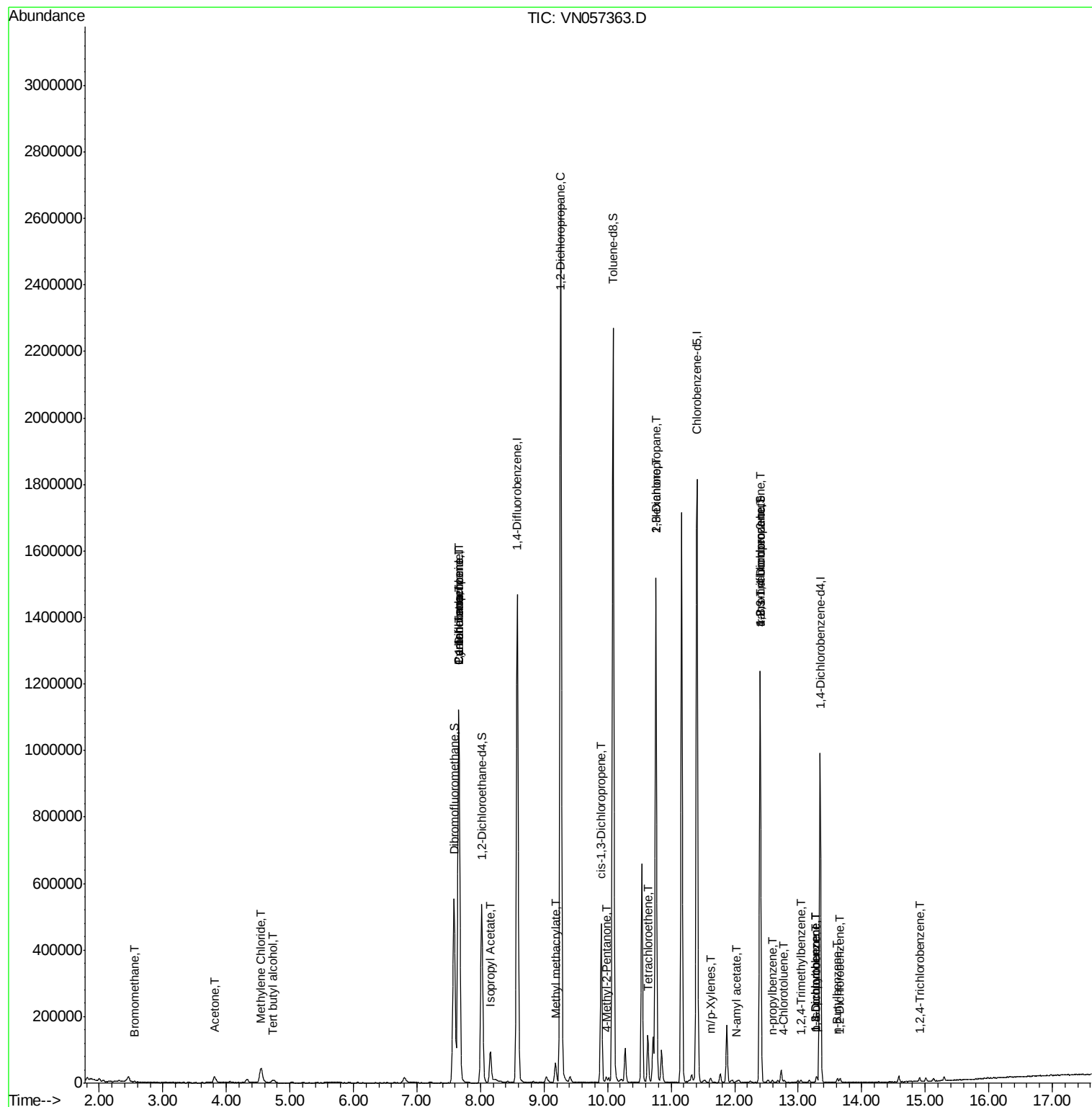
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.88	117	266	Below Cal	#	43
91) 1,2-Dichlorobenzene	13.66	146	6388	0.660	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	4753	6.452	ug/l	90
94) Hexachlorobutadiene	15.01	225	2891	Below Cal		93
95) Naphthalene	15.13	128	7807	Below Cal		99
96) 1,2,3-Trichlorobenzene	15.30	180	4540	Below Cal		97

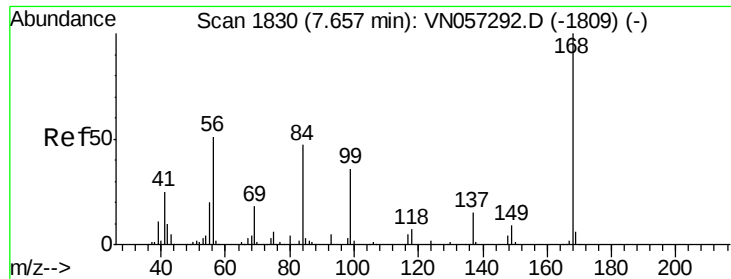
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

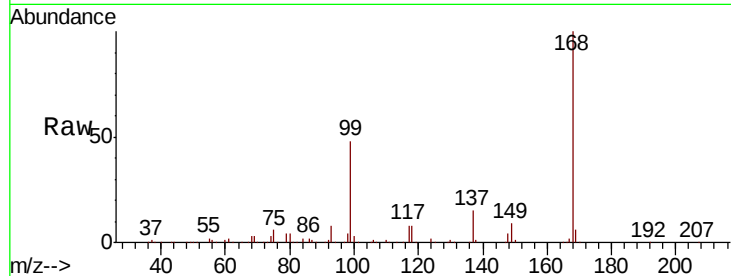
PB122303TB

Tgt Ion:168 Resp: 1037042

Ion Ratio Lower Upper

168 100

99 47.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN057292.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057292.D (-1809) (-)

7.66

400000

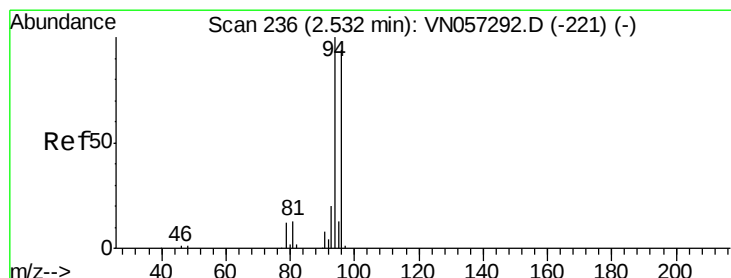
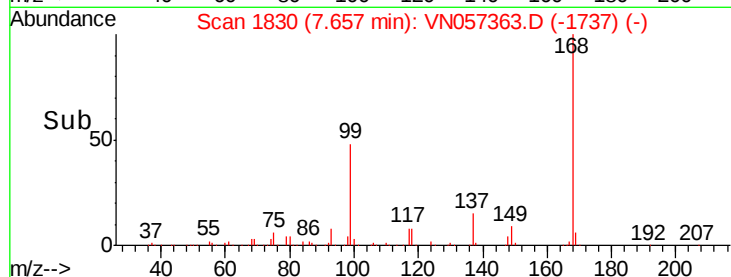
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.242 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057363.D

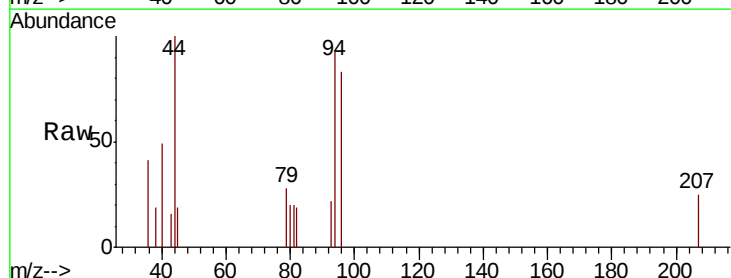
Acq: 16 Aug 2019 19:11

Tgt Ion: 94 Resp: 1708

Ion Ratio Lower Upper

94 100

96 88.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VN057292.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057292.D (-221) (-)

2.55

1000

800

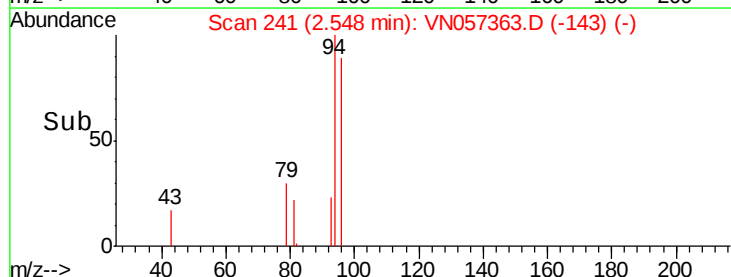
600

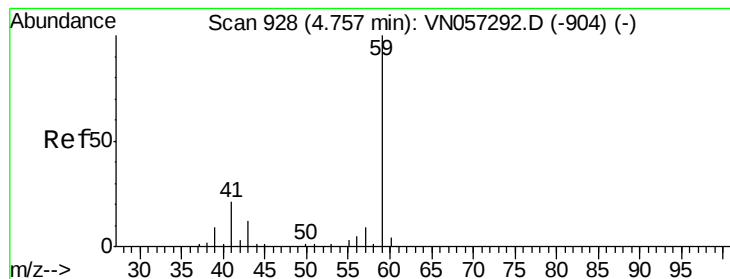
400

200

0

Time-->



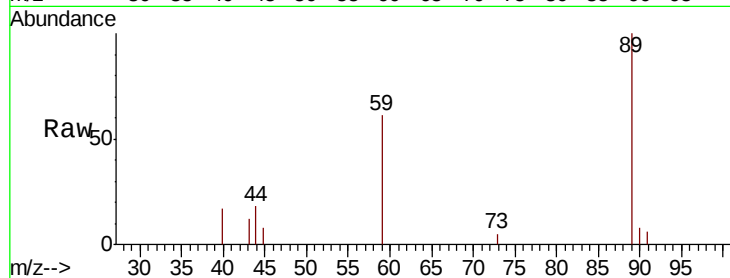


#11

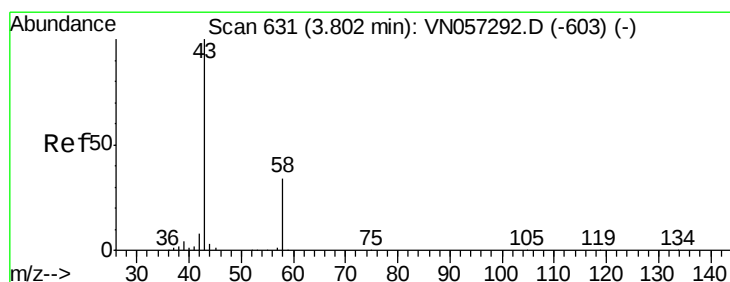
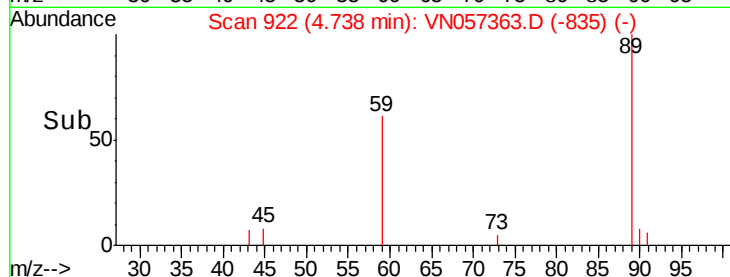
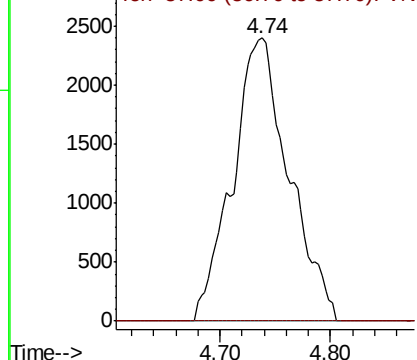
Tert butyl alcohol
 Concen: 5.293 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122303TB

Tgt Ion: 59 Resp: 8484
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



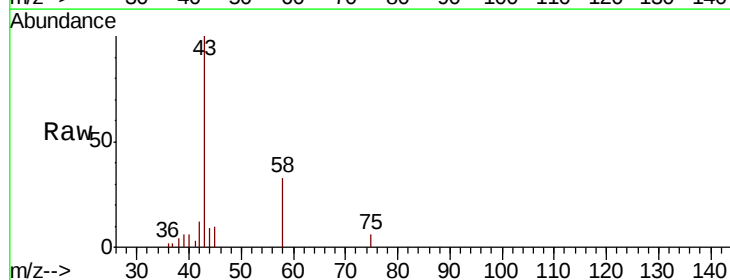
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



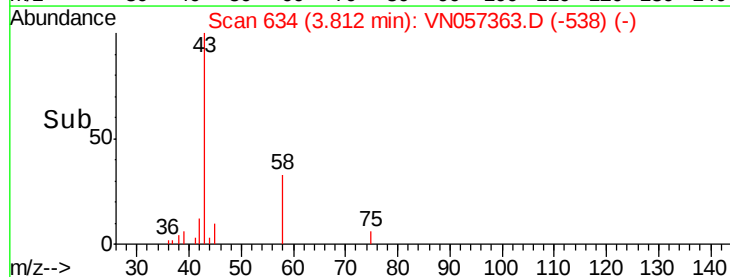
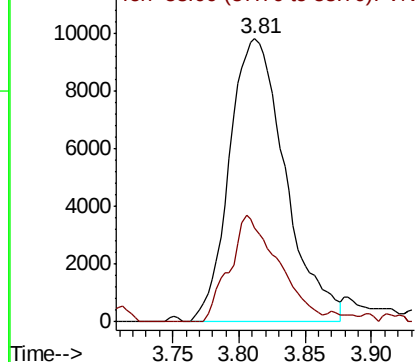
#16

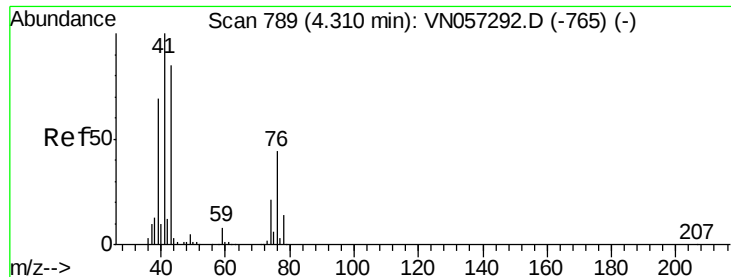
Acetone
 Concen: 7.375 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion: 43 Resp: 28843
 Ion Ratio Lower Upper
 43 100
 58 33.3 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

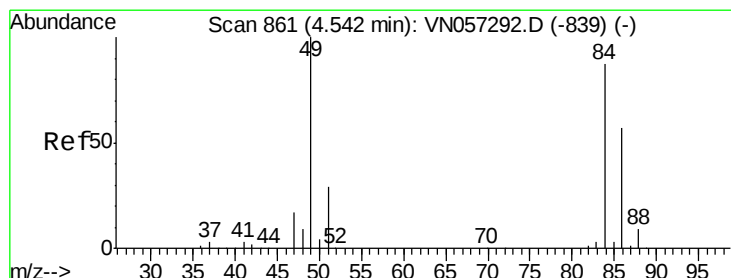
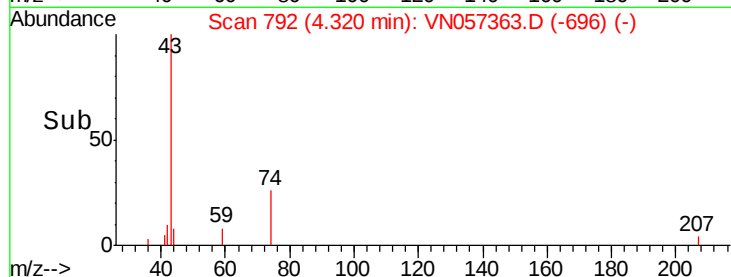
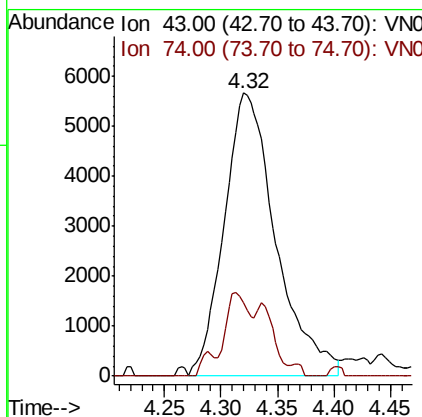
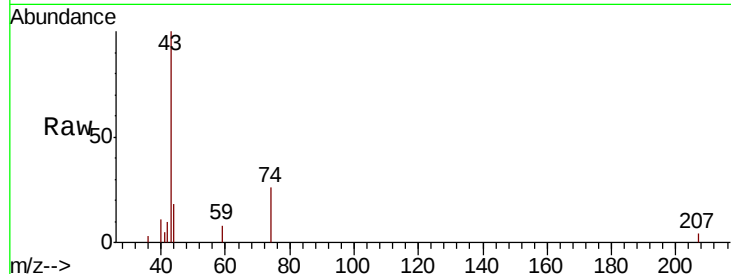




#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057363.D
Acq: 16 Aug 2019 19:11

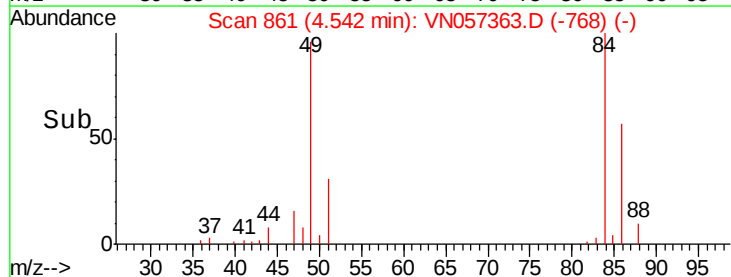
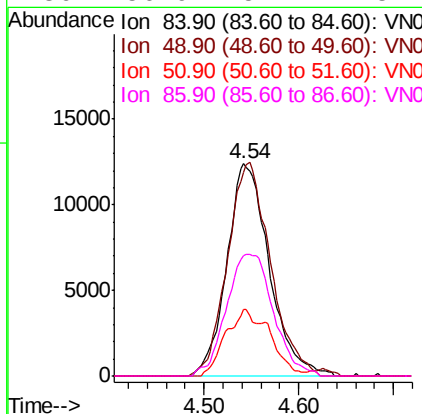
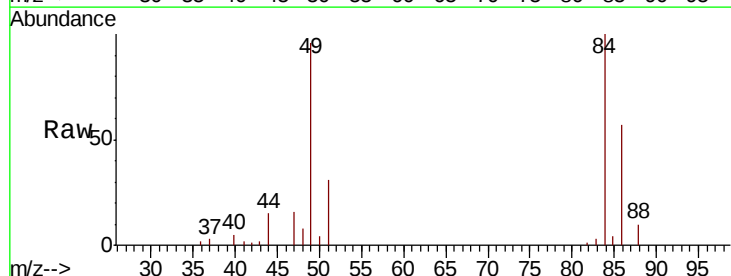
Instrument :
MSVOA_N
ClientSampleId :
PB122303TB

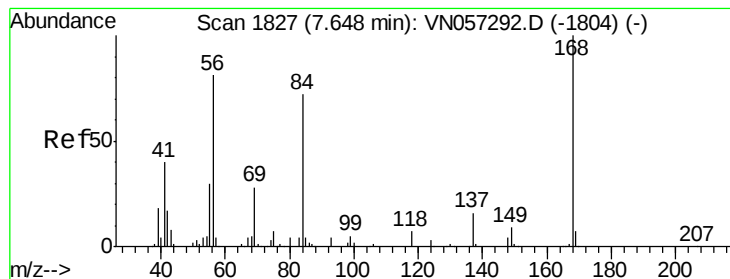
Tgt Ion: 43 Resp: 18018
Ion Ratio Lower Upper
43 100
74 9.9 20.2 30.2#



#20
Methylene Chloride
Concen: 3.531 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057363.D
Acq: 16 Aug 2019 19:11

Tgt Ion: 84 Resp: 38634
Ion Ratio Lower Upper
84 100
49 95.9 92.0 138.0
51 31.4 27.1 40.7
86 56.9 52.2 78.2





#31

Cyclohexane

Concen: 0.925 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

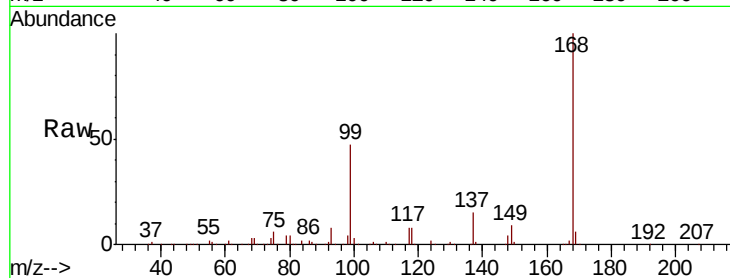
Tgt Ion: 56 Resp: 14207

Ion Ratio Lower Upper

56 100

69 212.8 27.3 40.9#

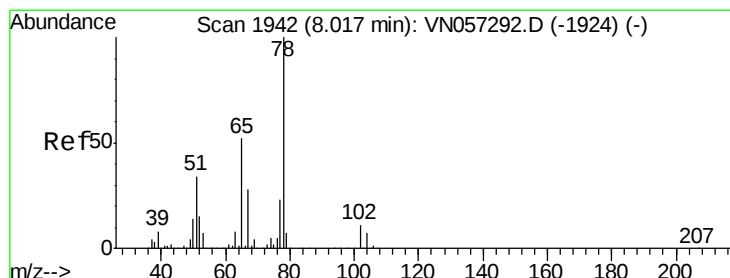
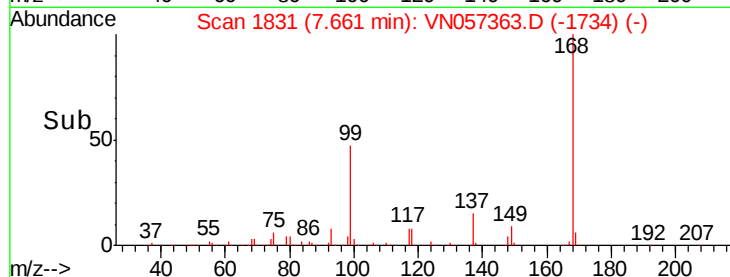
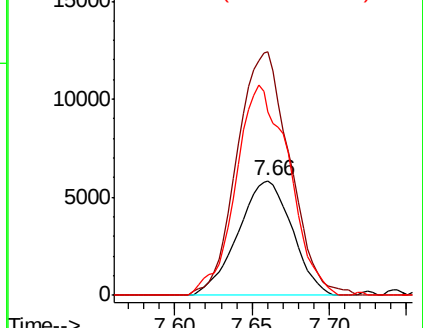
84 160.1 71.0 106.6#



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: 41.213 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057363.D

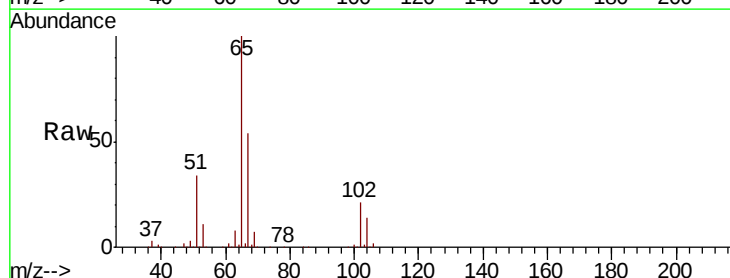
Acq: 16 Aug 2019 19:11

Tgt Ion: 65 Resp: 464626

Ion Ratio Lower Upper

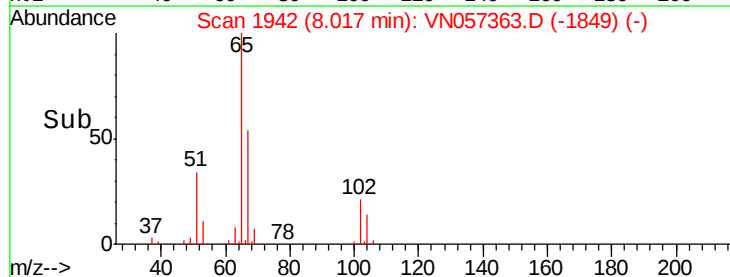
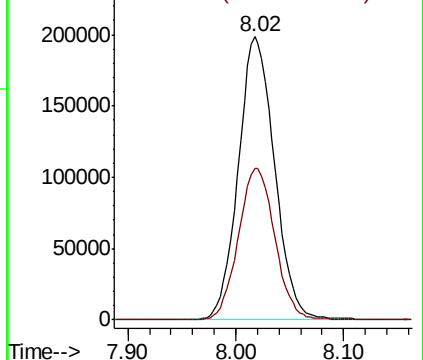
65 100

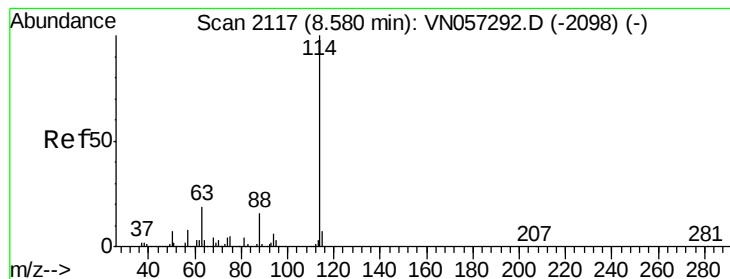
67 54.1 0.0 107.4



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# 2117

Delta R.T. 0.00 min

Lab File: VN057363.D

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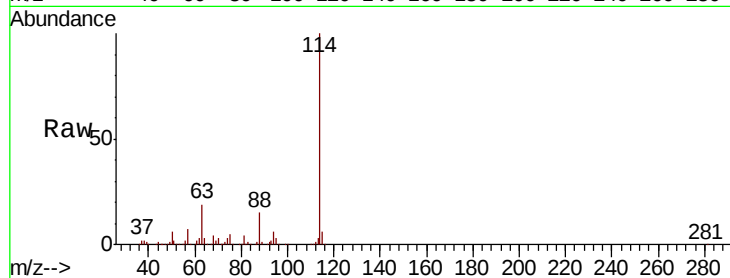
Tgt Ion:114 Resp: 1426693

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

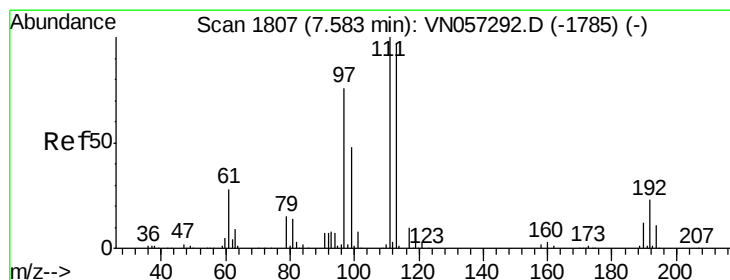
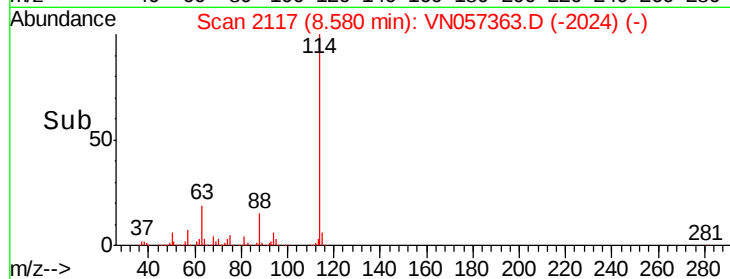
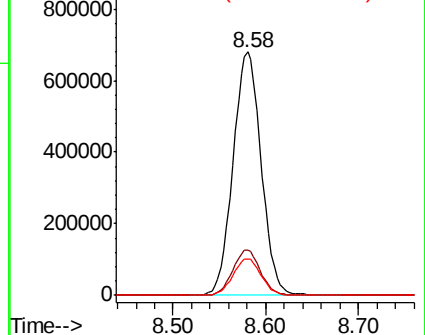
88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.381 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

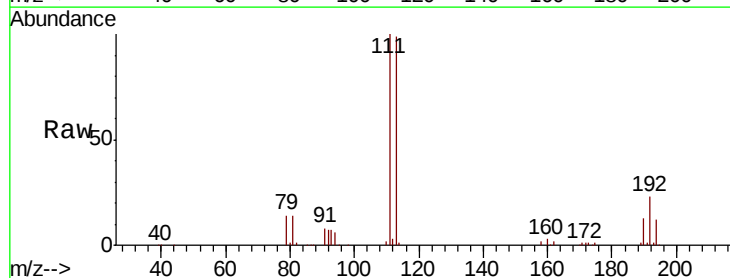
Tgt Ion:113 Resp: 424418

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

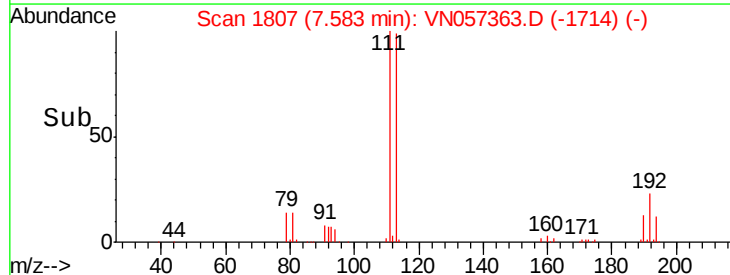
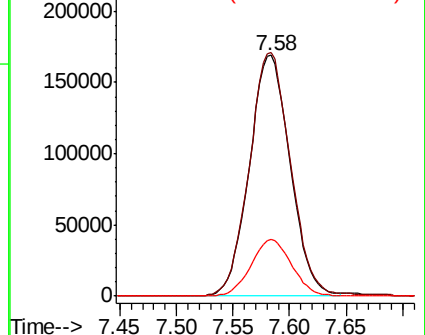
192 23.4 19.3 28.9

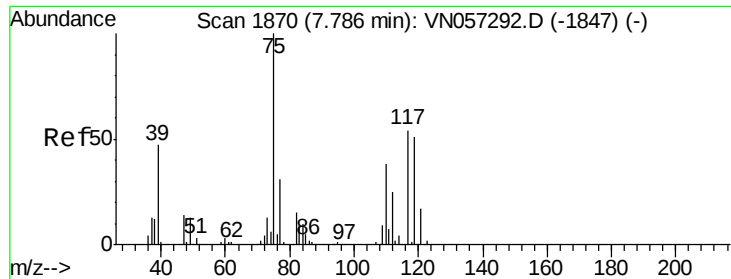


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

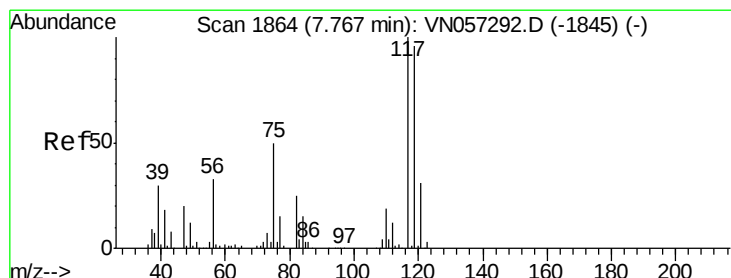
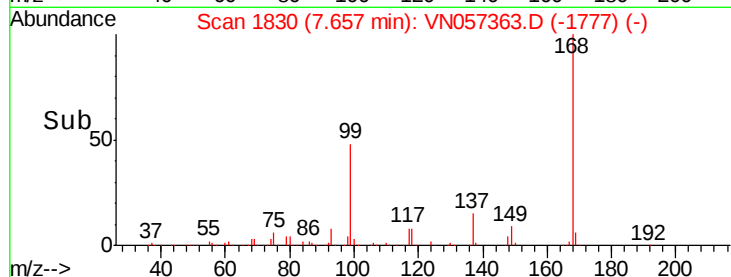
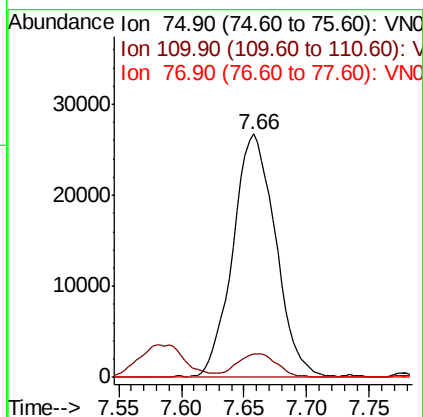
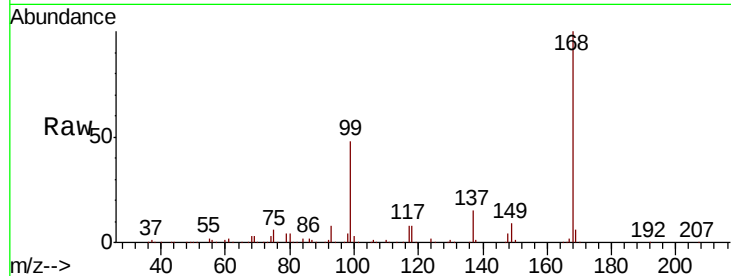




#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

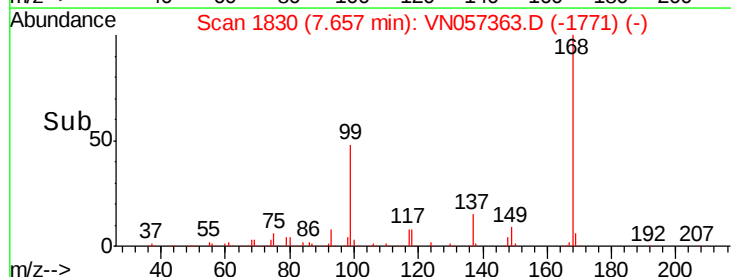
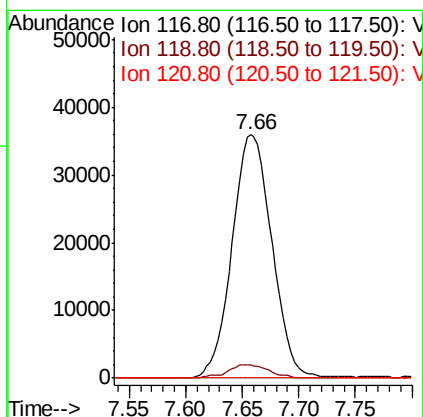
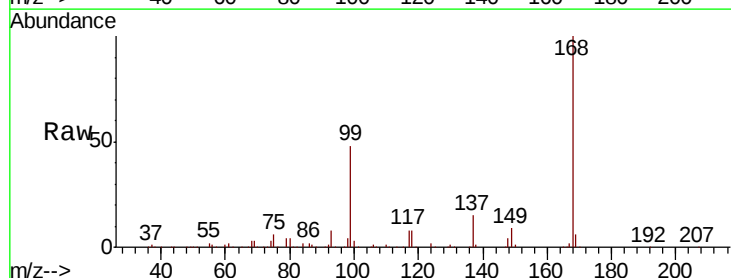
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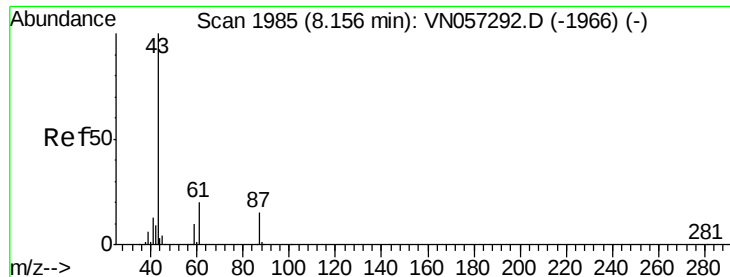
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.5	58.5#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.729 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.8	115.2#
121	0.0	25.0	37.4#





#43

Isopropyl Acetate

Concen: 5.207 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

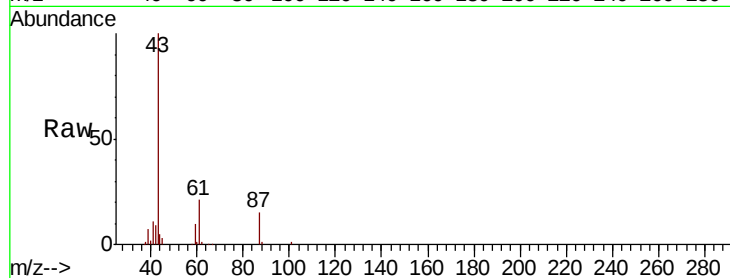
Tgt Ion: 43 Resp: 117315

Ion Ratio Lower Upper

43 100

61 20.5 21.6 32.4#

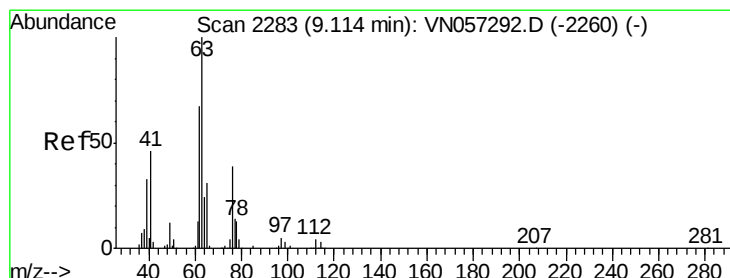
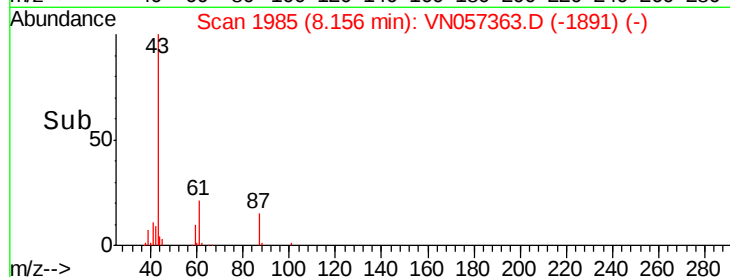
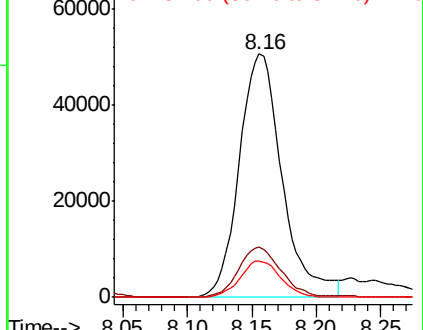
87 14.0 11.4 17.0



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: 0.347 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057363.D

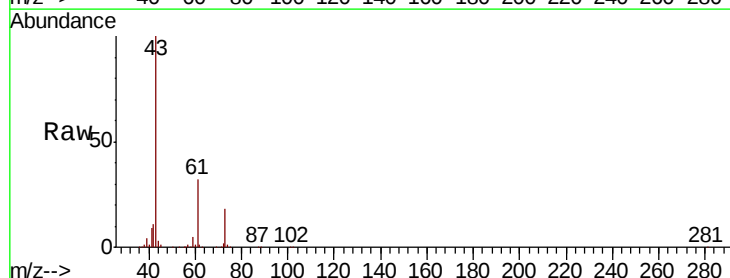
Acq: 16 Aug 2019 19:11

Tgt Ion: 63 Resp: 3446

Ion Ratio Lower Upper

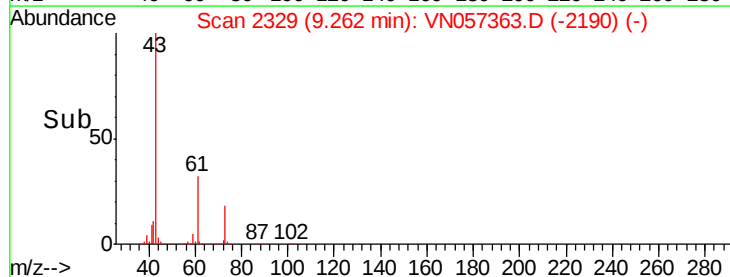
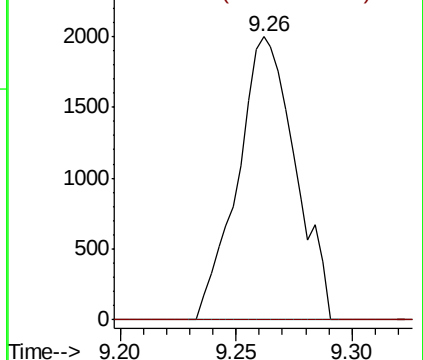
63 100

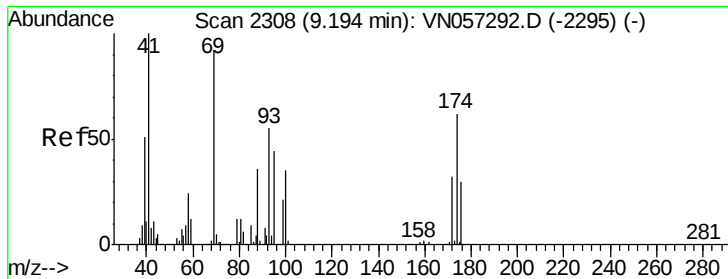
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

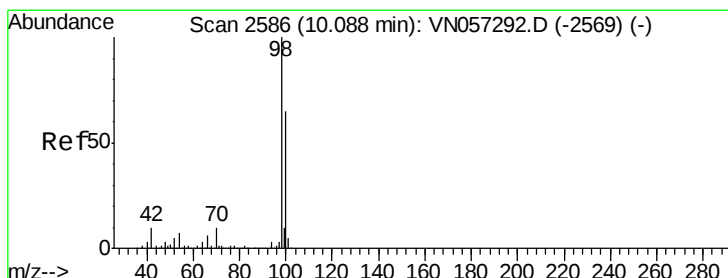
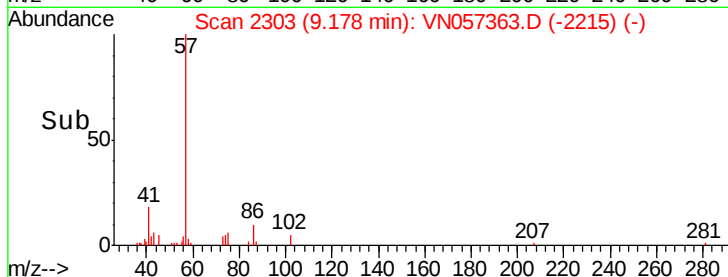
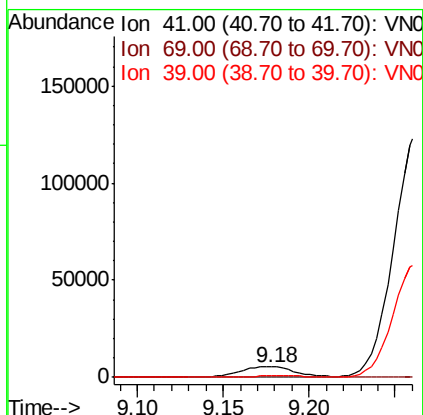
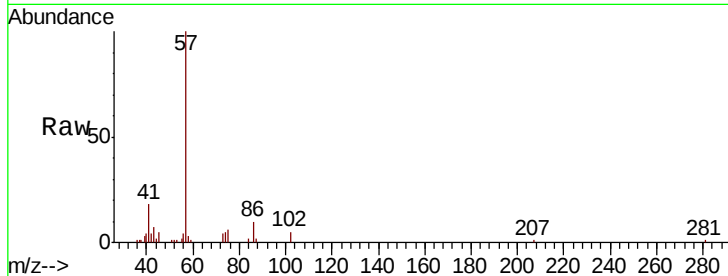




#48
Methyl methacrylate
Concen: 1.480 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN057363.D
Acq: 16 Aug 2019 19:11

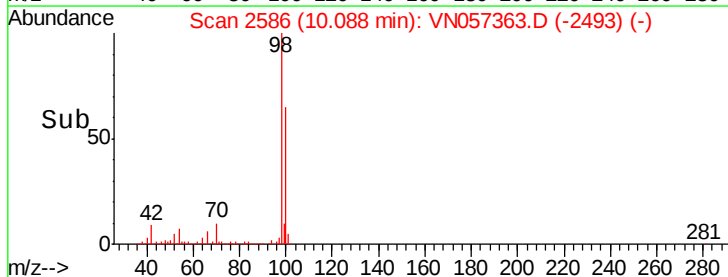
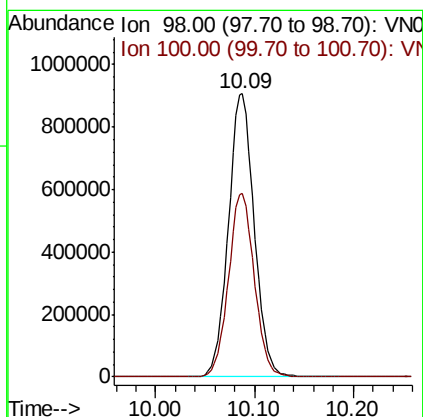
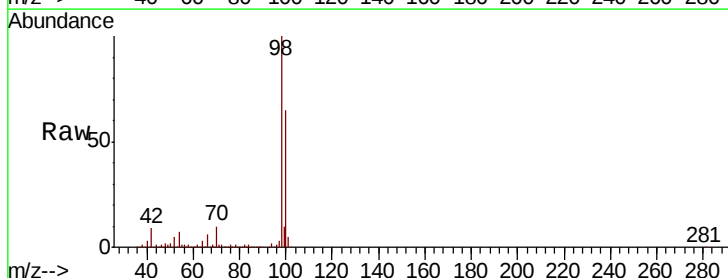
Instrument :
MSVOA_N
ClientSampleId :
PB122303TB

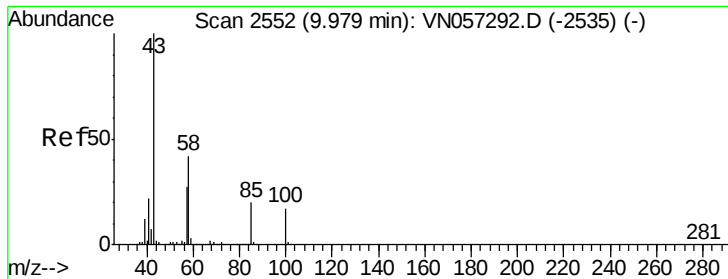
Tgt Ion: 41 Resp: 12570
Ion Ratio Lower Upper
41 100
69 0.2 75.9 113.9#
39 0.0 42.3 63.5#



#50
Toluene-d8
Concen: 48.513 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057363.D
Acq: 16 Aug 2019 19:11

Tgt Ion: 98 Resp: 1659446
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.003 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

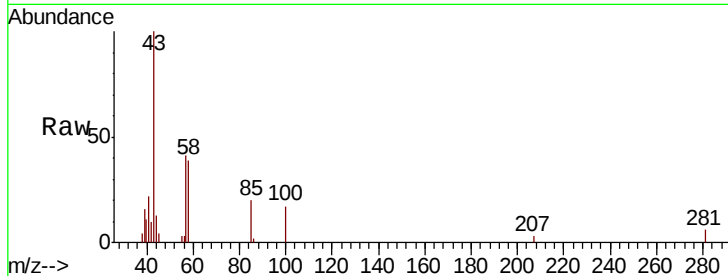
PB122303TB

Tgt Ion: 43 Resp: 10673

Ion Ratio Lower Upper

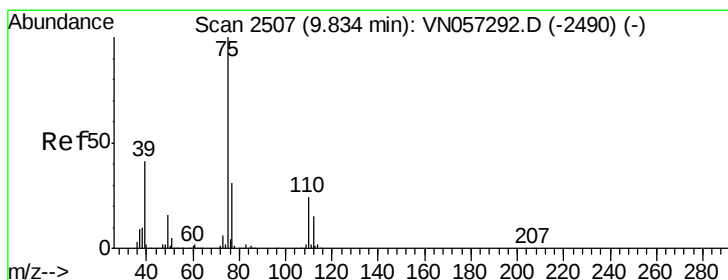
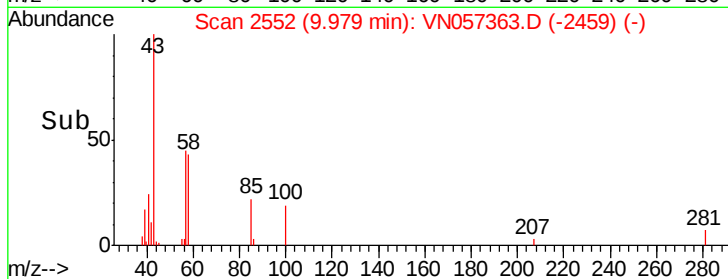
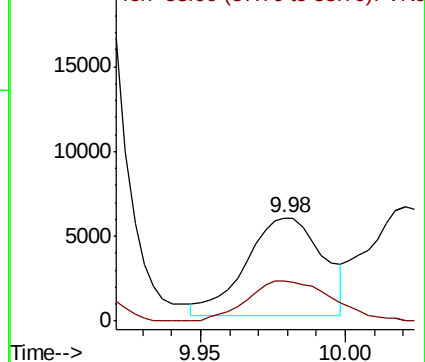
43 100

58 45.4 33.2 49.8



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: 6.049 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

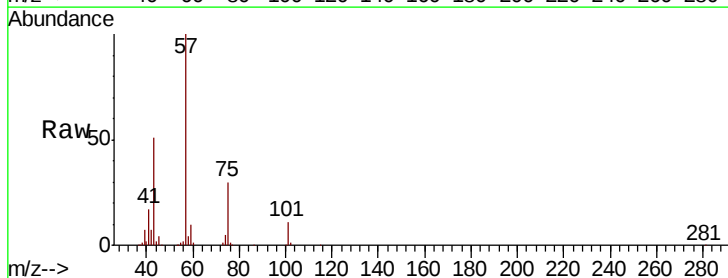
Tgt Ion: 75 Resp: 94718

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

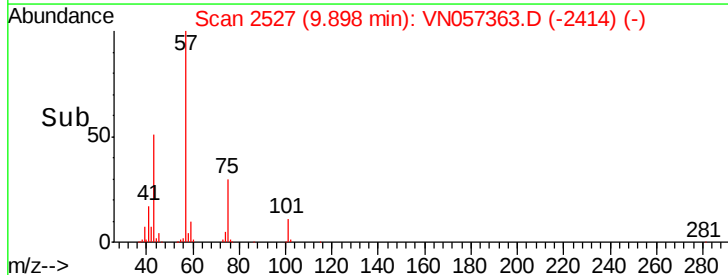
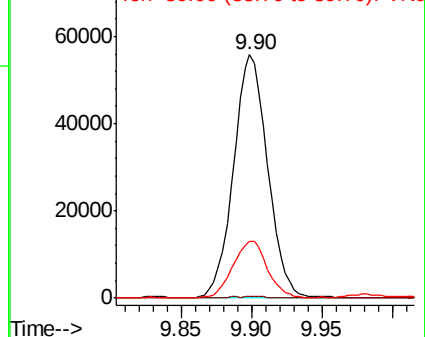
39 23.2 32.7 49.1#

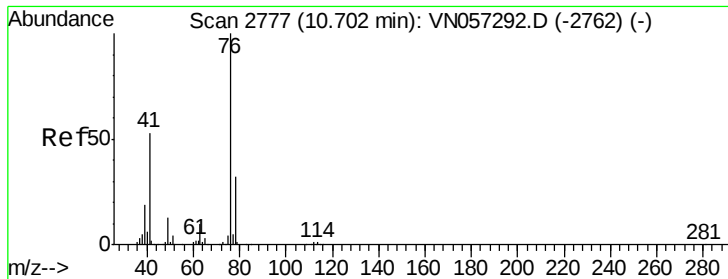


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

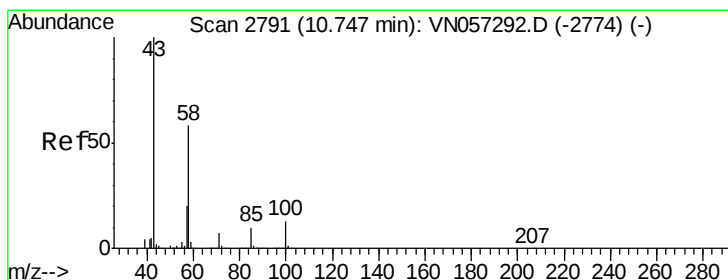
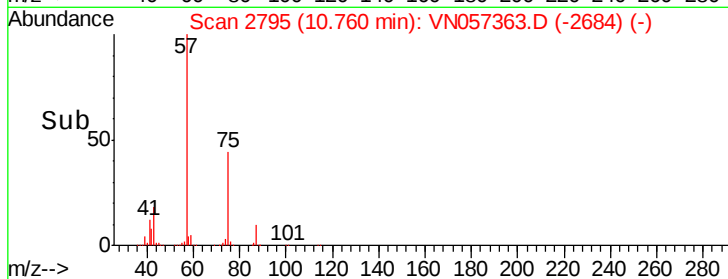
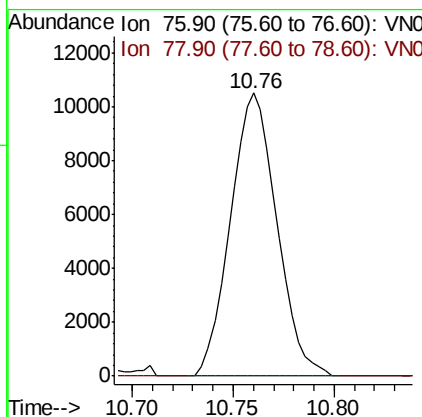
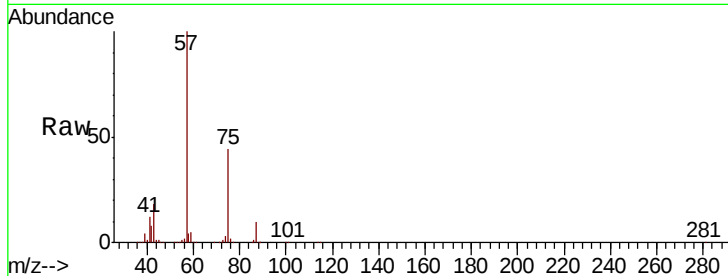




#57
 1,3-Dichloropropane
 Concen: 1.071 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

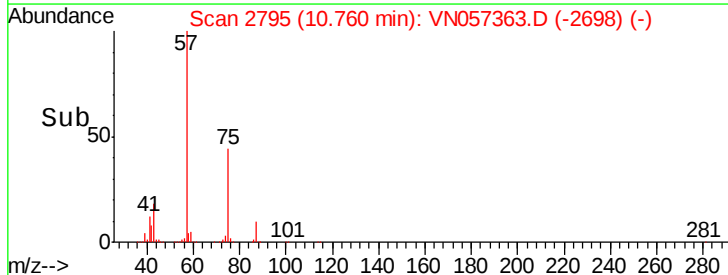
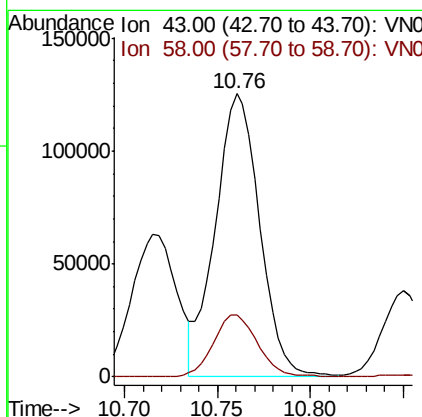
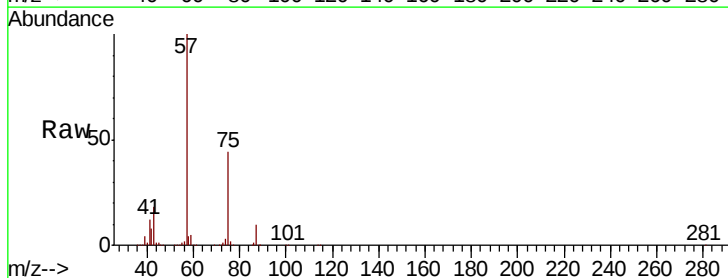
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122303TB

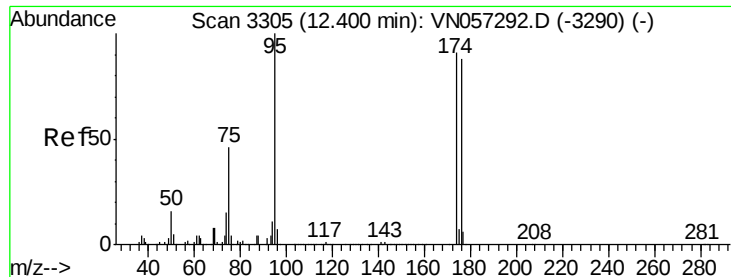
Tgt Ion: 76 Resp: 16874
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 27.113 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion: 43 Resp: 207471
 Ion Ratio Lower Upper
 43 100
 58 22.1 28.6 85.9#





#62

4-Bromofluorobenzene

Concen: 35.700 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

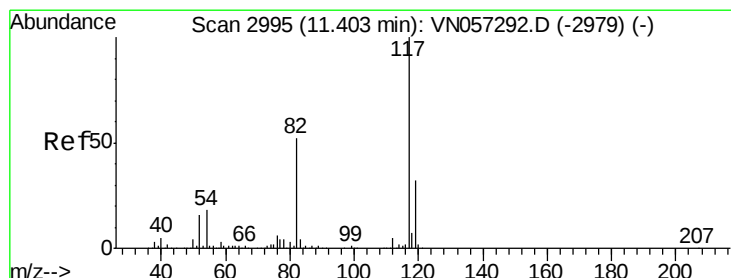
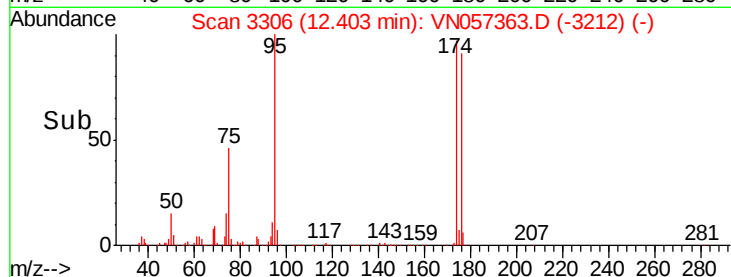
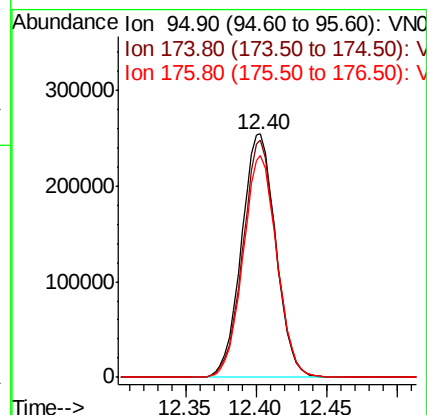
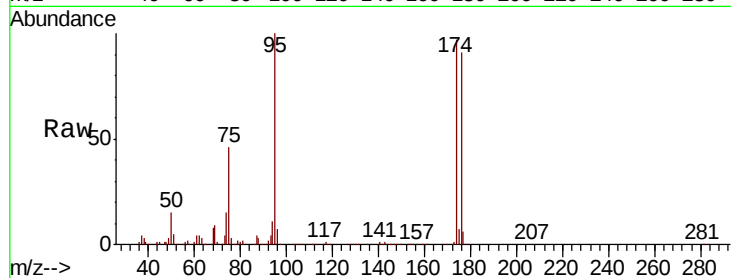
Tgt Ion: 95 Resp: 431552

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.0

176 90.4 0.0 181.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

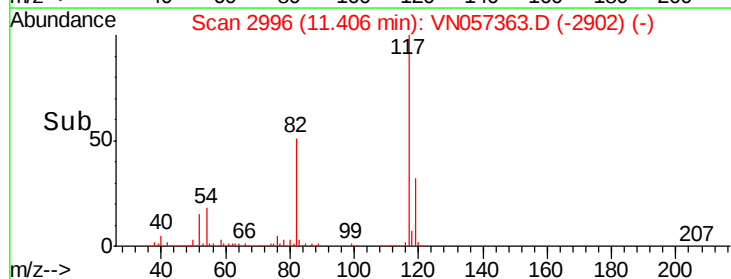
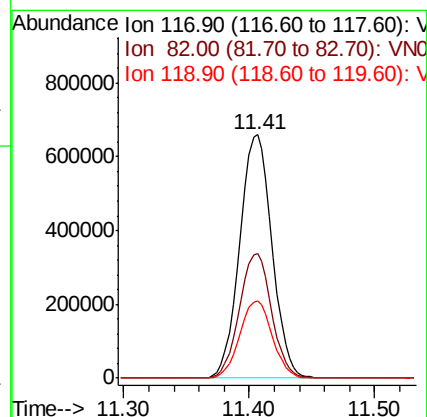
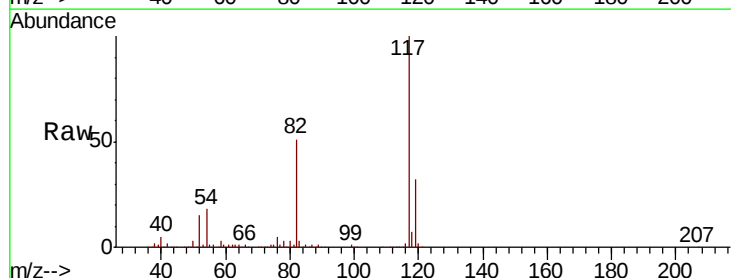
Tgt Ion: 117 Resp: 1180096

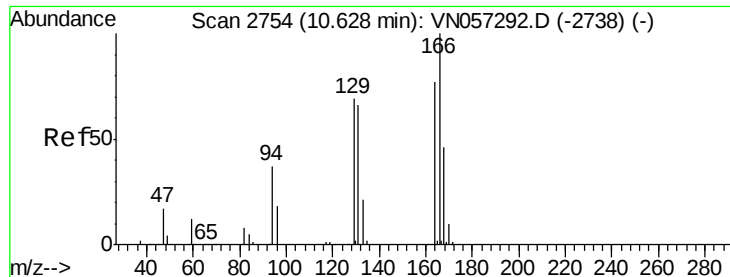
Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

119 31.7 25.8 38.8





#64

Tetrachloroethene

Concen: 0.216 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

Tgt Ion:164 Resp: 2207

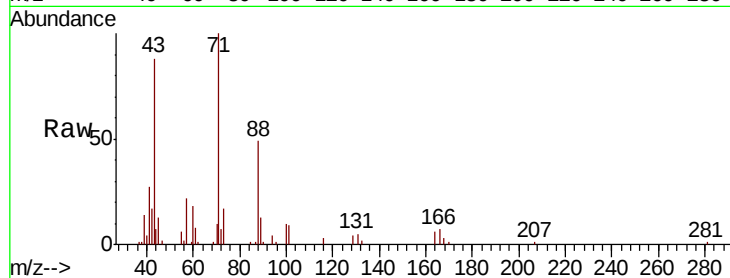
Ion Ratio Lower Upper

164 100

166 110.3 103.5 155.3

129 68.1 71.2 106.8#

131 75.6 68.2 102.4

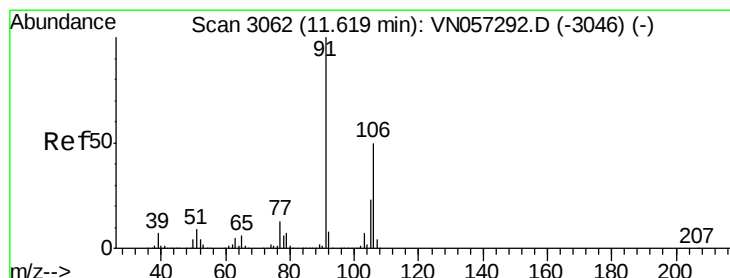
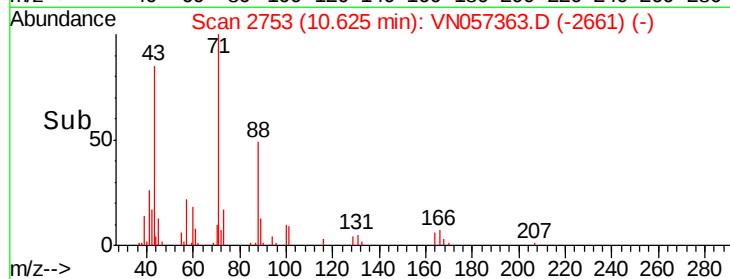
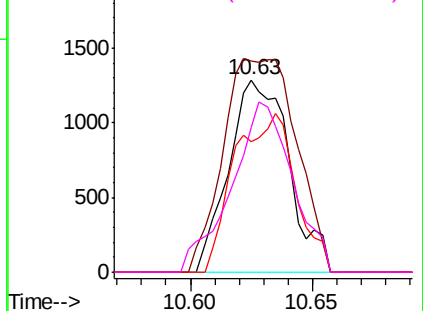


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.342 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN057363.D

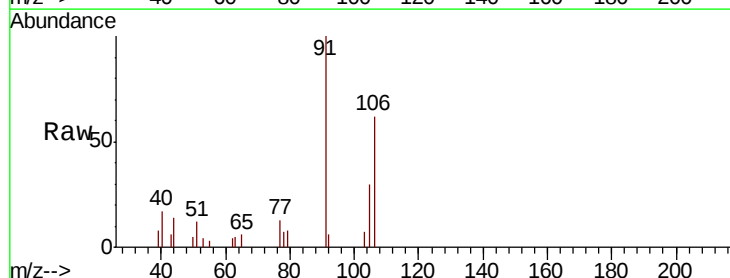
Acq: 16 Aug 2019 19:11

Tgt Ion:106 Resp: 5305

Ion Ratio Lower Upper

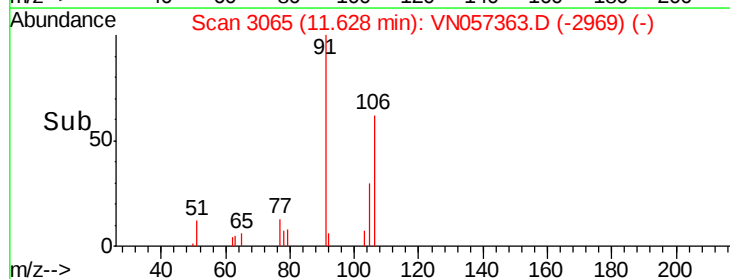
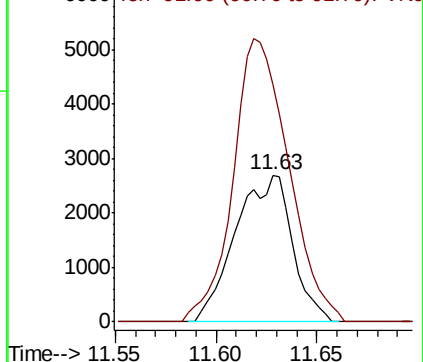
106 100

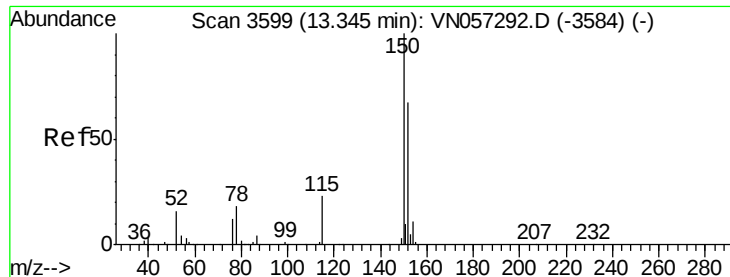
91 189.0 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

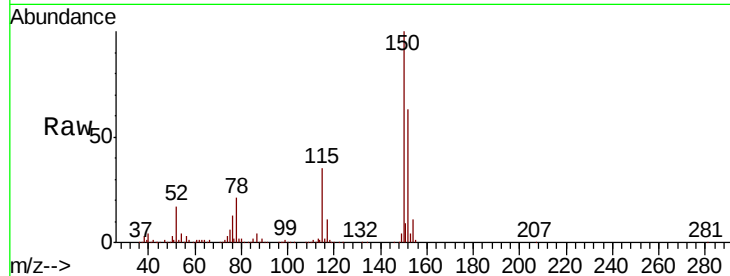




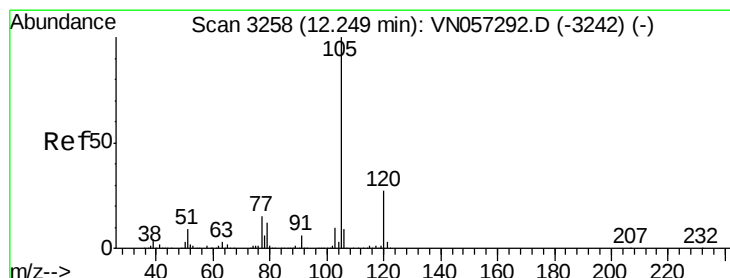
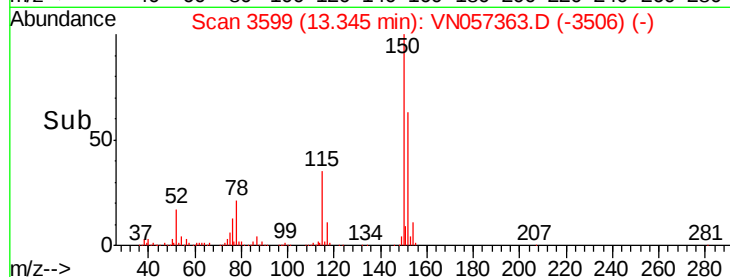
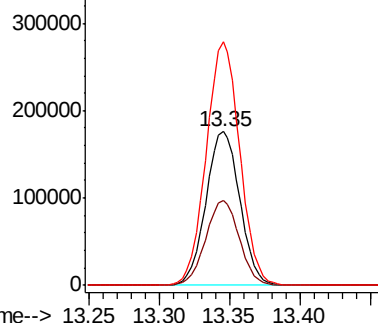
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122303TB

Tgt Ion:152 Resp: 296546
 Ion Ratio Lower Upper
 152 100
 115 54.6 27.3 81.9
 150 156.1 0.0 344.4

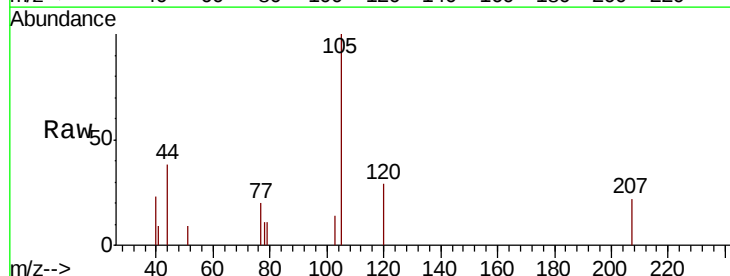


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

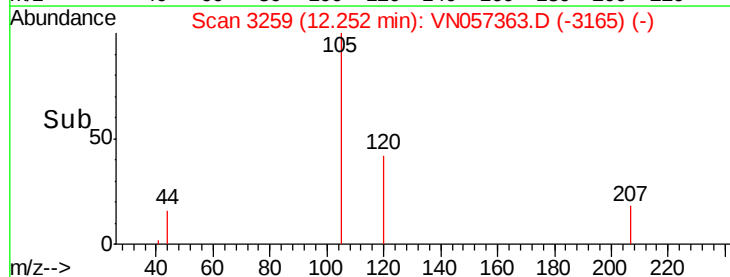
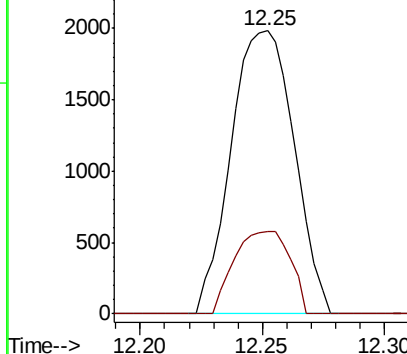


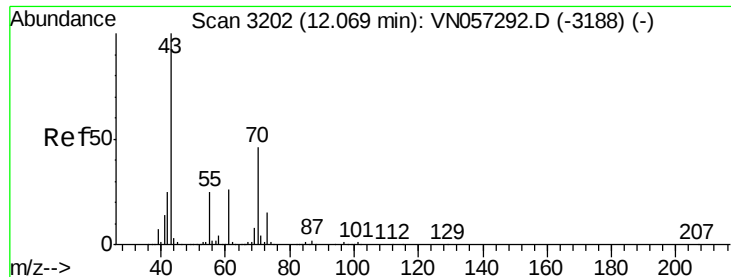
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion:105 Resp: 3561
 Ion Ratio Lower Upper
 105 100
 120 25.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.219 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

PB122303TB

Tgt Ion: 43 Resp: 1887

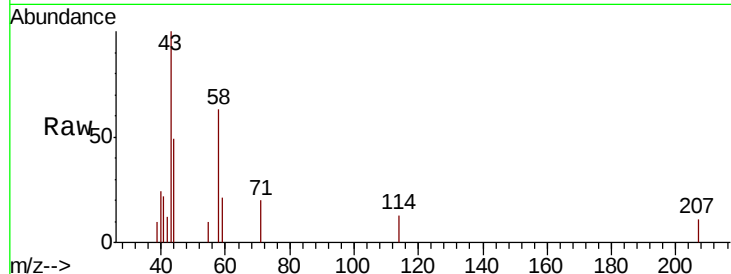
Ion Ratio Lower Upper

43 100

70 0.0 36.2 54.2#

55 0.0 20.1 30.1#

61 0.0 20.9 31.3#

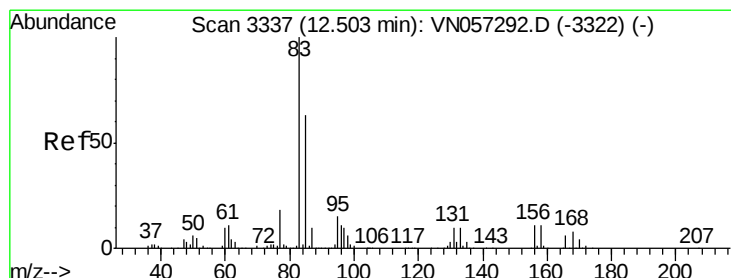
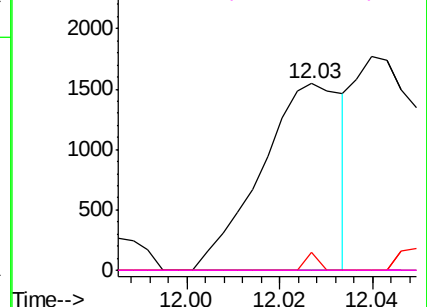
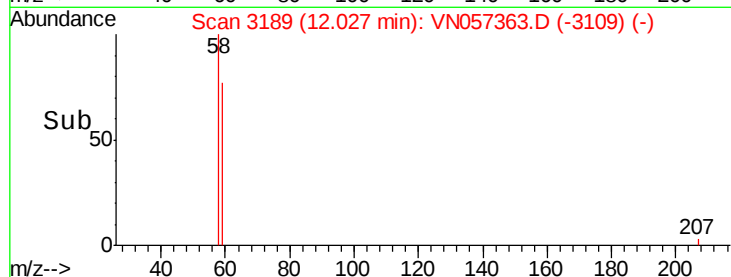


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

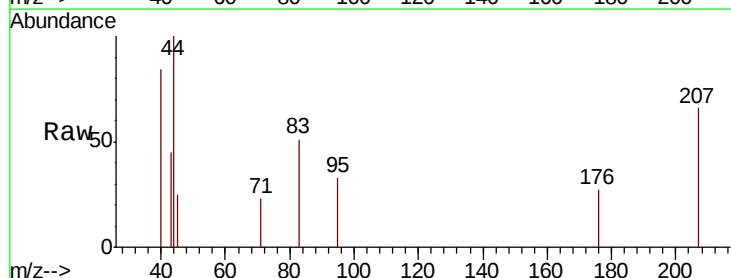
Tgt Ion: 83 Resp: 474

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

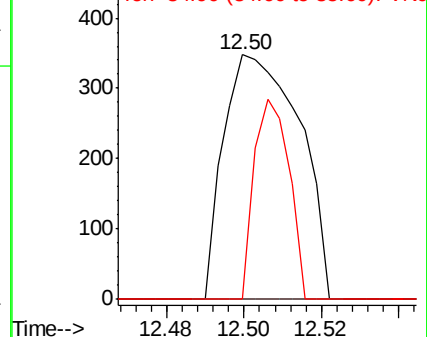
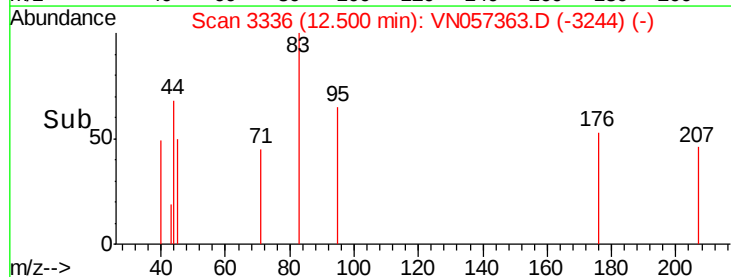
85 37.6 32.3 96.9

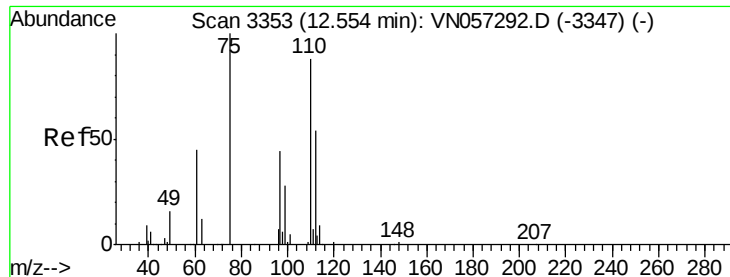


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

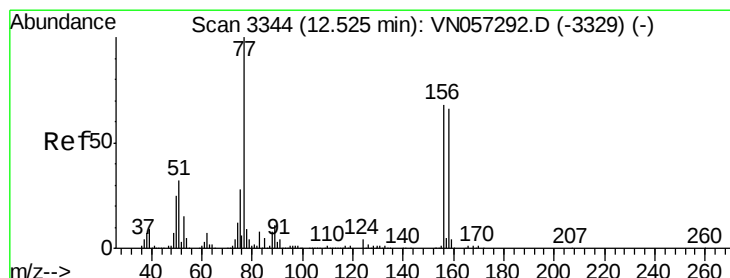
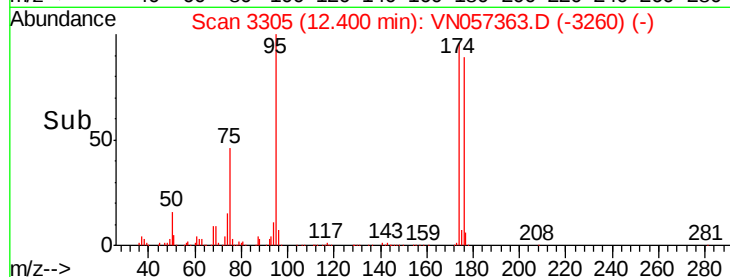
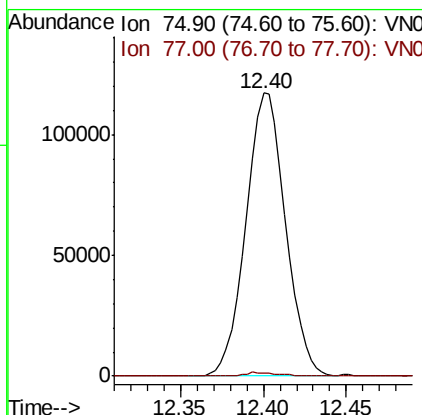
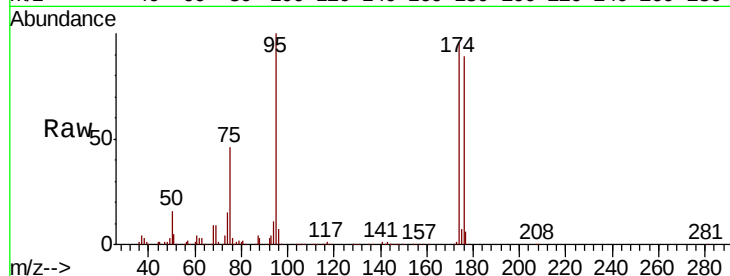




#76
 1,2,3-Trichloropropane
 Concen: 32.764 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

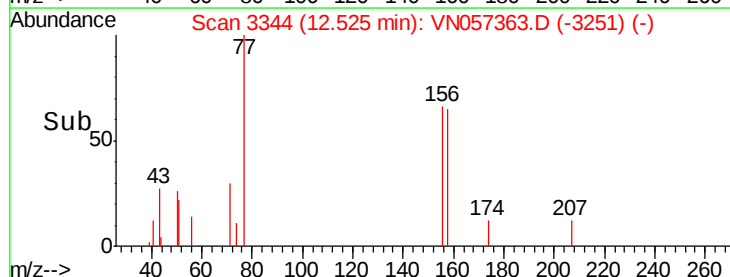
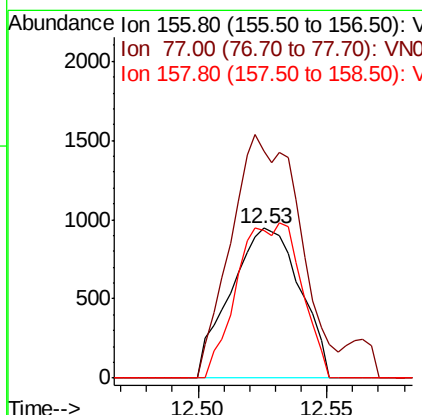
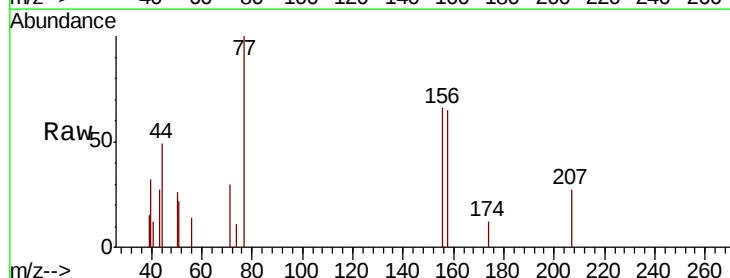
Instrument :
 MSVOA_N
 ClientSampled :
 PB122303TB

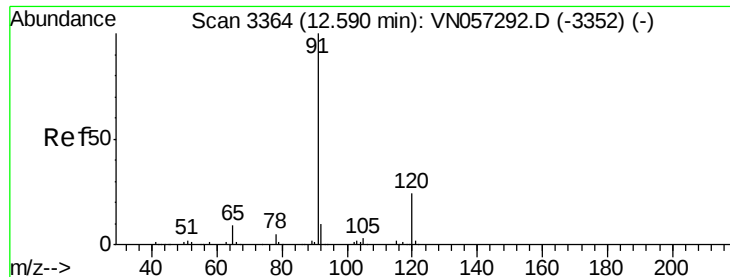
Tgt Ion: 75 Resp: 195067
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#77
 Bromobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion: 156 Resp: 1779
 Ion Ratio Lower Upper
 156 100
 77 161.1 89.8 269.6
 158 95.3 49.3 147.8





#78

n-propylbenzene

Concen: 0.236 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

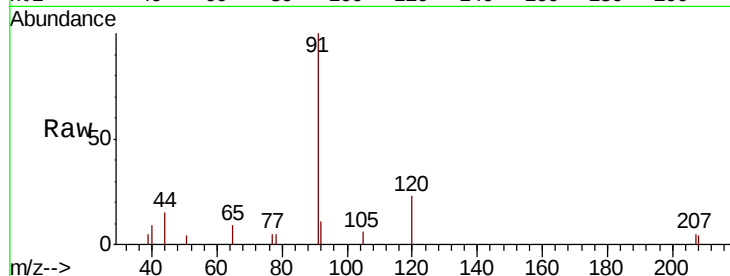
PB122303TB

Tgt Ion: 91 Resp: 6735

Ion Ratio Lower Upper

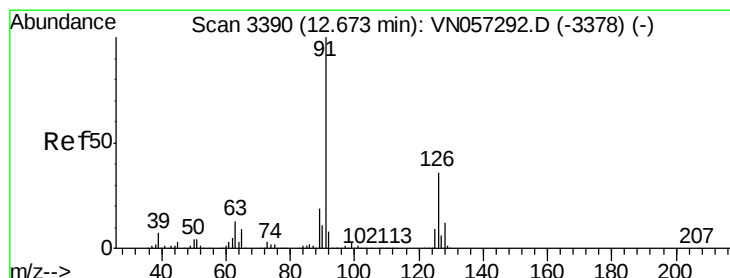
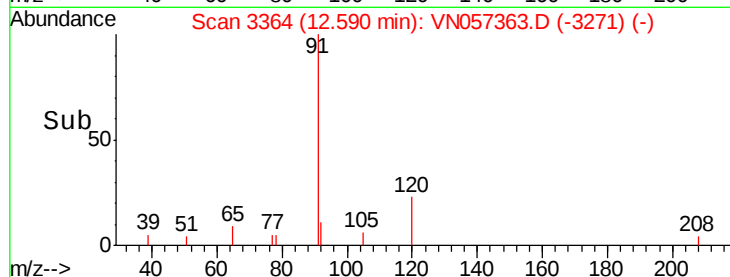
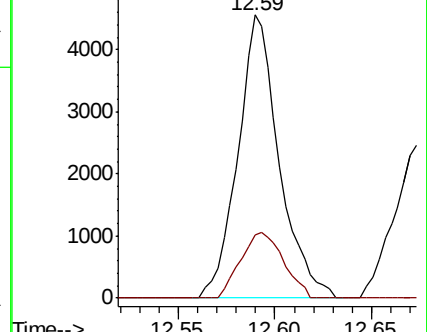
91 100

120 24.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3352) (-)



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN057363.D

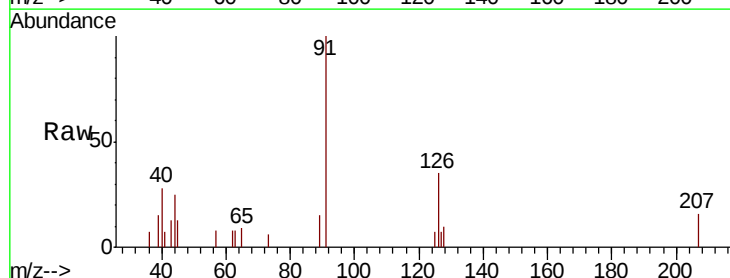
Acq: 16 Aug 2019 19:11

Tgt Ion: 91 Resp: 4696

Ion Ratio Lower Upper

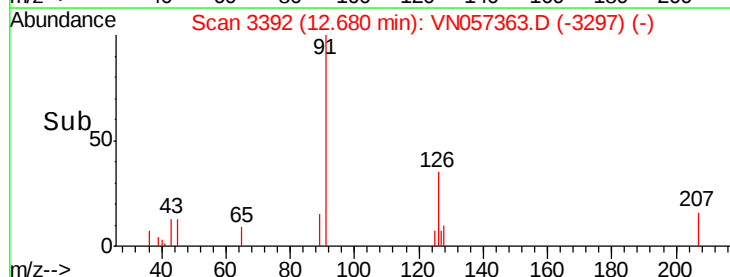
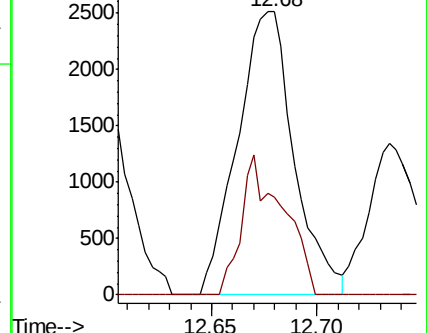
91 100

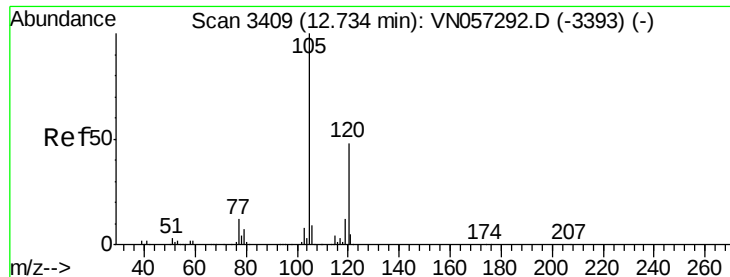
126 36.5 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

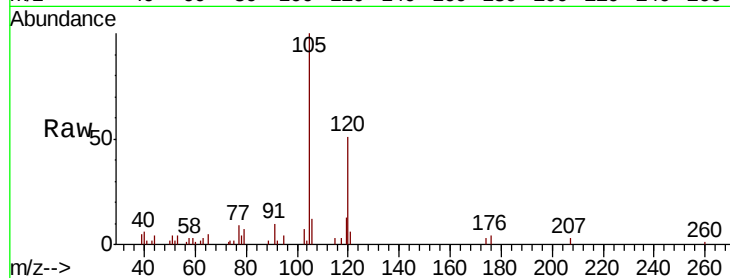
PB122303TB

Tgt Ion: 105 Resp: 21007

Ion Ratio Lower Upper

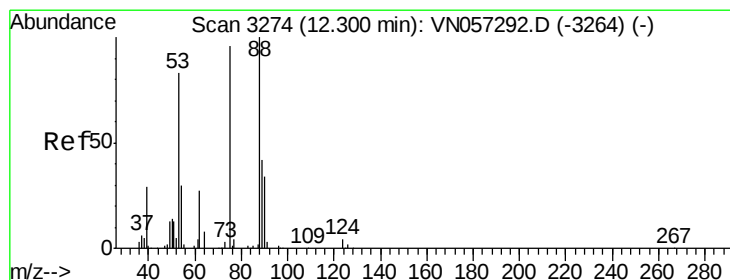
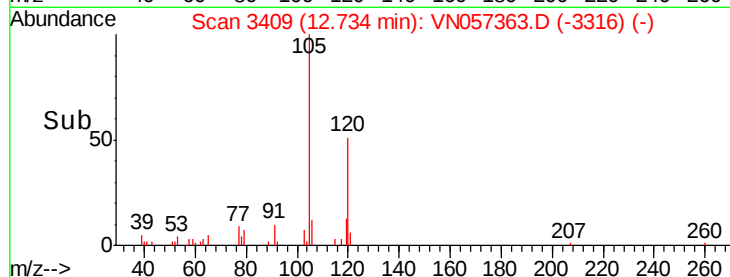
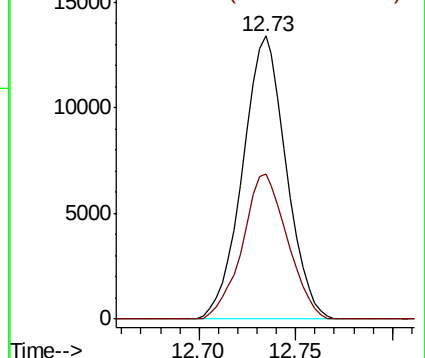
105 100

120 52.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 80.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

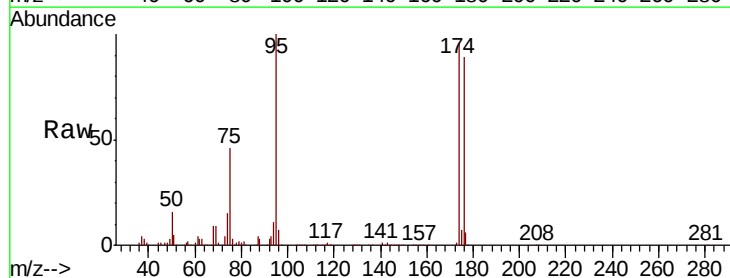
Tgt Ion: 75 Resp: 195067

Ion Ratio Lower Upper

75 100

53 0.0 67.9 101.9#

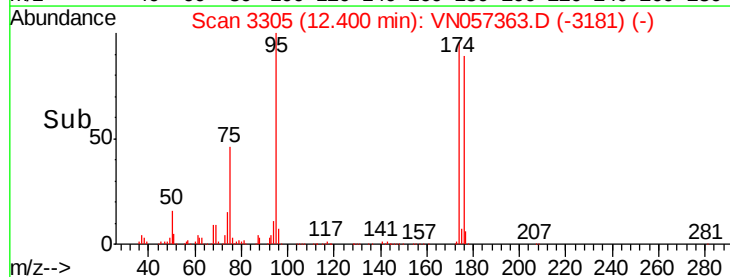
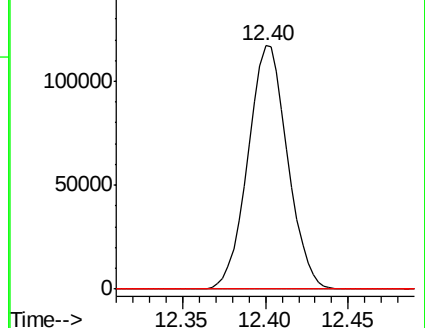
89 0.0 36.2 54.4#

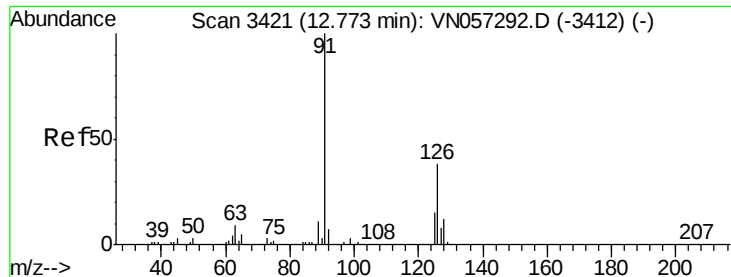


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.360 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

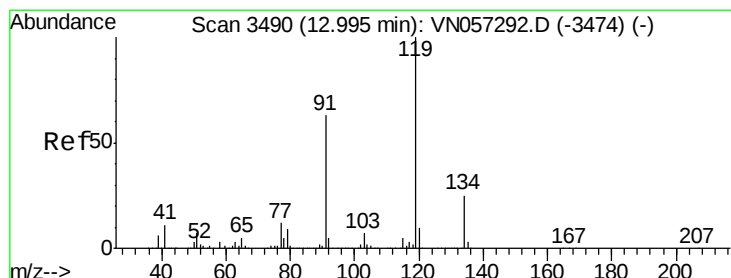
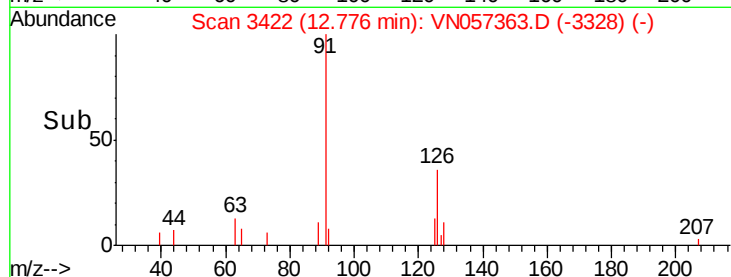
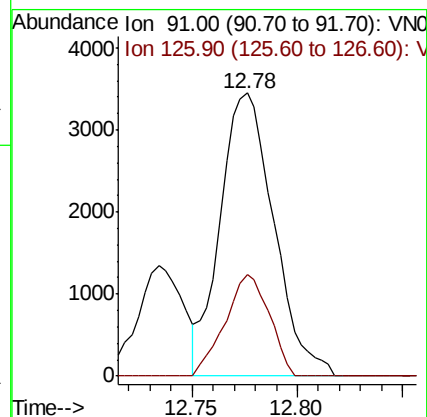
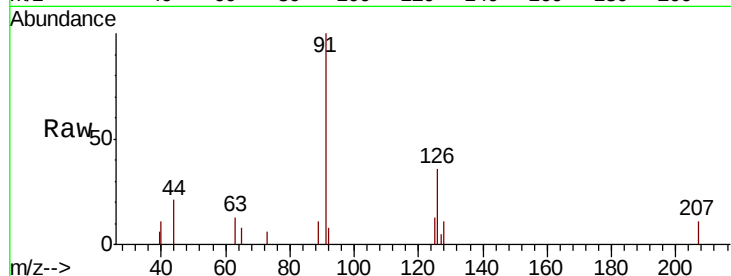
PB122303TB

Tgt Ion: 91 Resp: 6095

Ion Ratio Lower Upper

91 100

126 29.5 17.3 51.7



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3488

Delta R.T. -0.01 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

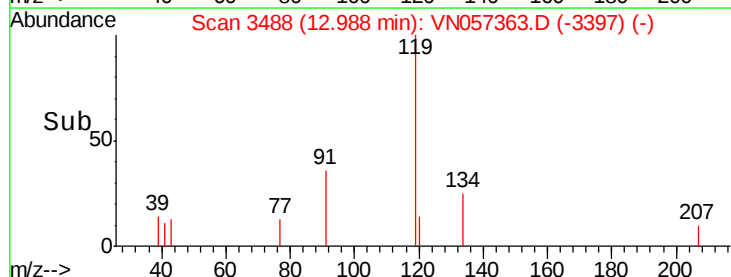
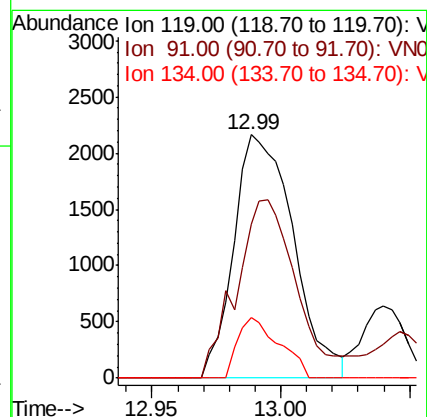
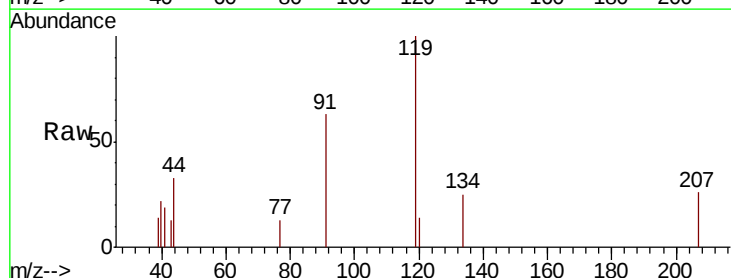
Tgt Ion: 119 Resp: 3494

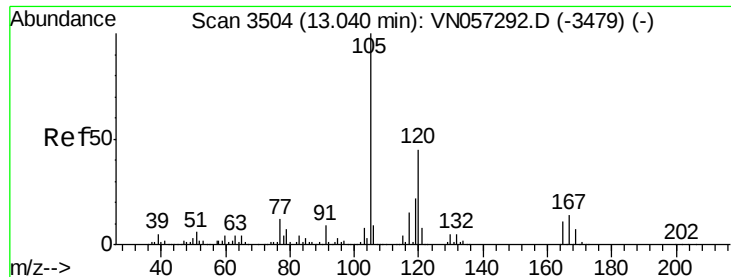
Ion Ratio Lower Upper

119 100

91 73.0 31.3 93.8

134 17.3 13.1 39.1

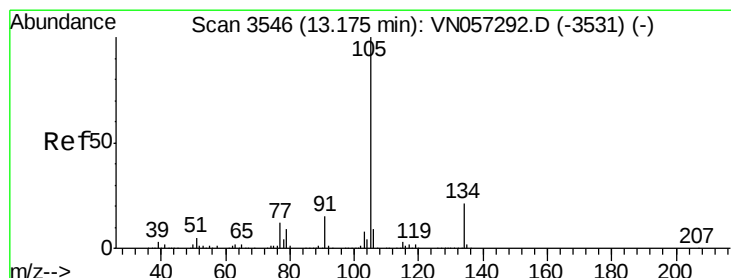
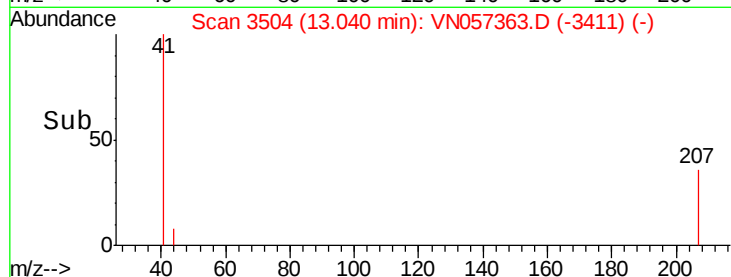
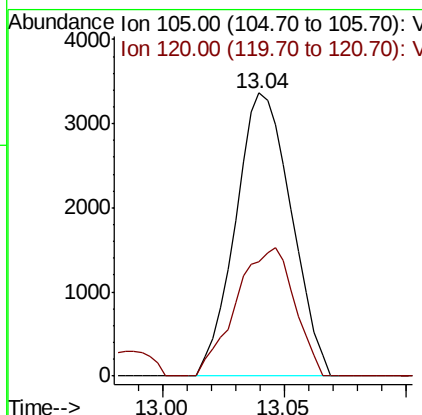
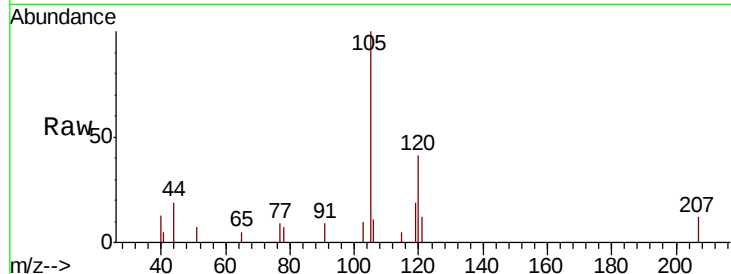




#84
 1,2,4-Trimethylbenzene
 Concen: 0.250 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

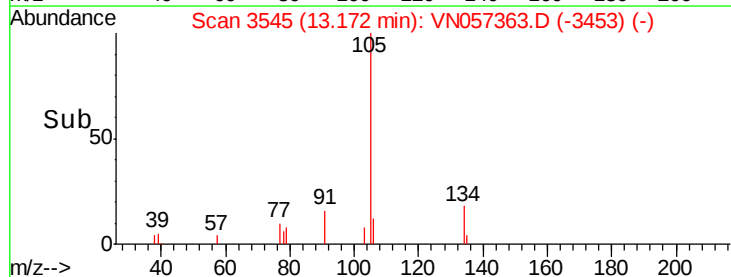
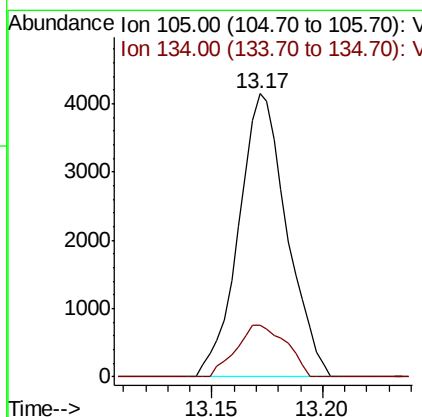
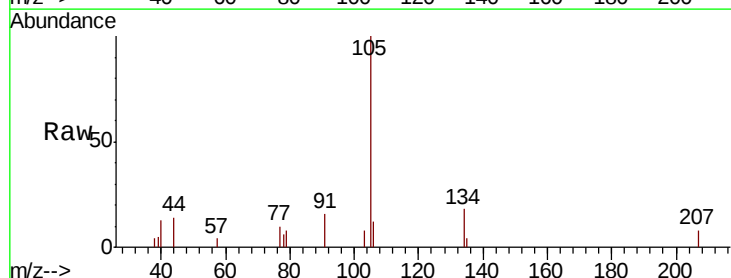
Instrument :
 MSVOA_N
 ClientSampled :
 PB122303TB

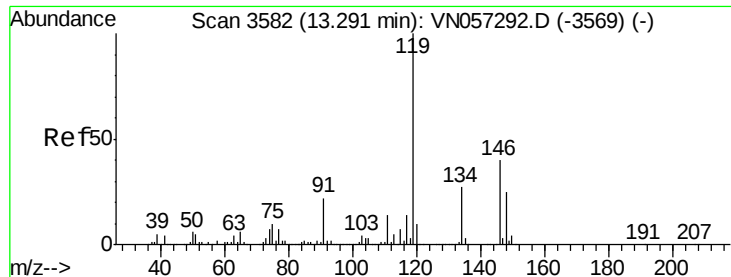
Tgt Ion:105 Resp: 5337
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.6 67.7



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion:105 Resp: 6278
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.4 31.2

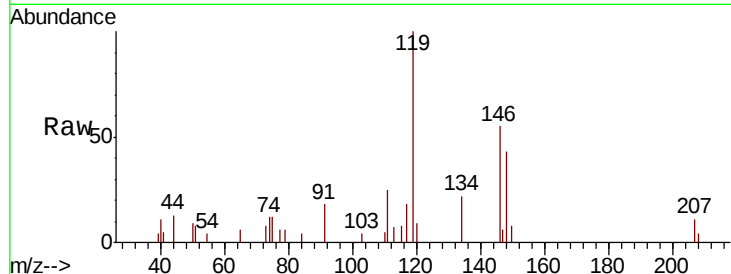




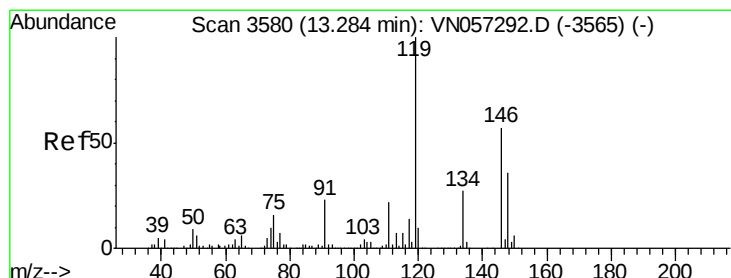
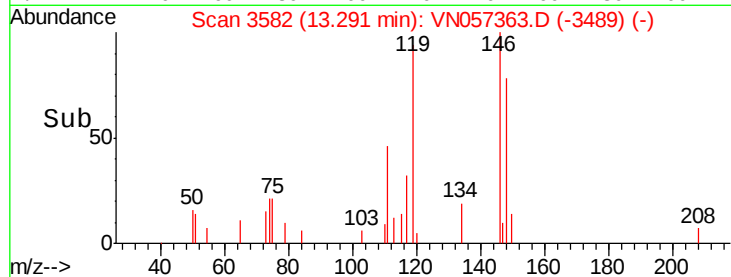
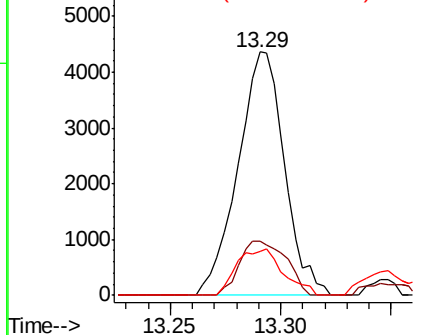
#86
 p-Isopropyltoluene
 Concen: 0.292 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122303TB

Tgt Ion:119 Resp: 6378
 Ion Ratio Lower Upper
 119 100
 134 22.4 13.4 40.2
 91 19.1 11.2 33.5

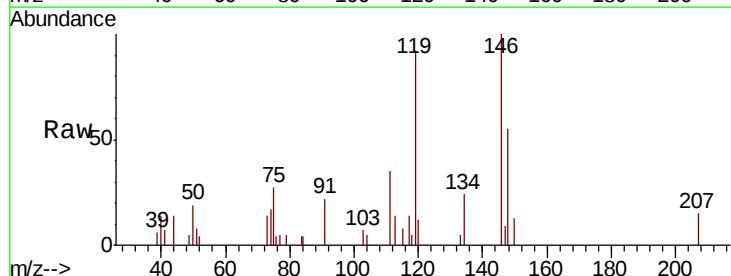


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

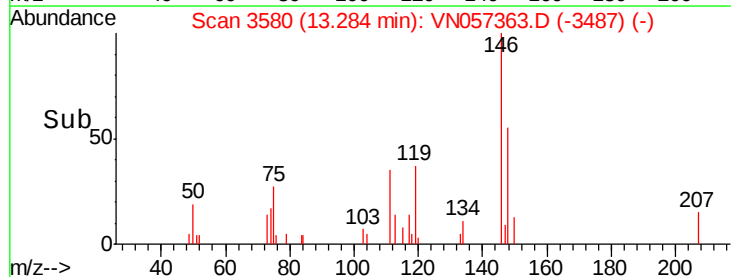
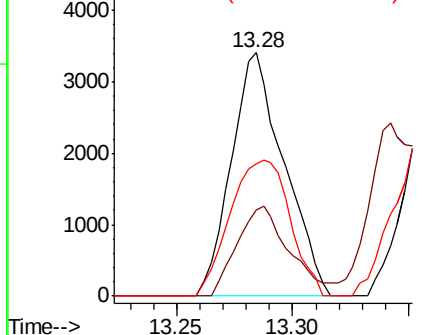


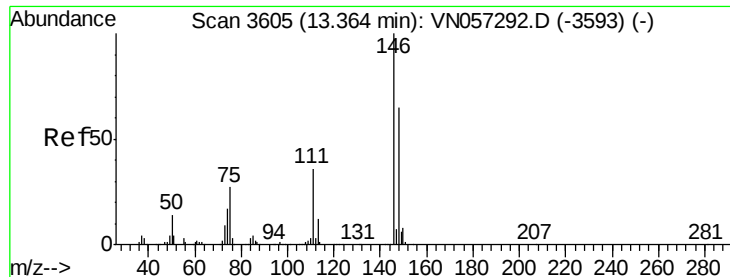
#87
 1,3-Dichlorobenzene
 Concen: 0.516 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057363.D
 Acq: 16 Aug 2019 19:11

Tgt Ion:146 Resp: 5366
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 63.5 31.7 95.1



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: 0.544 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

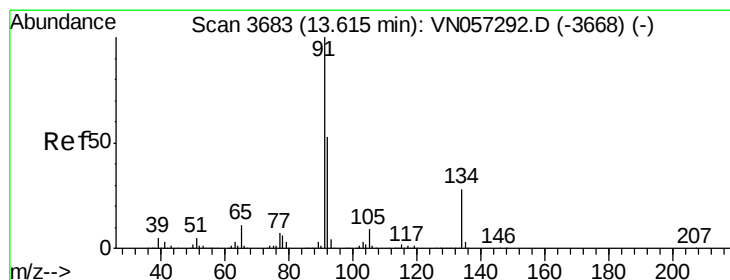
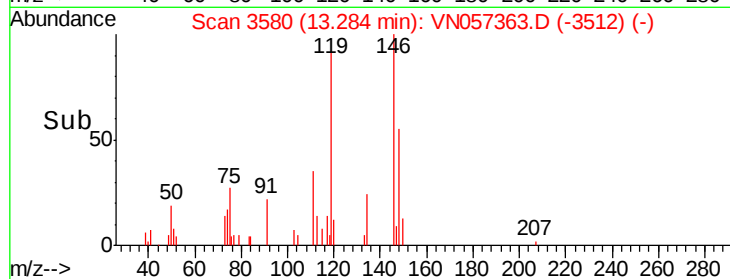
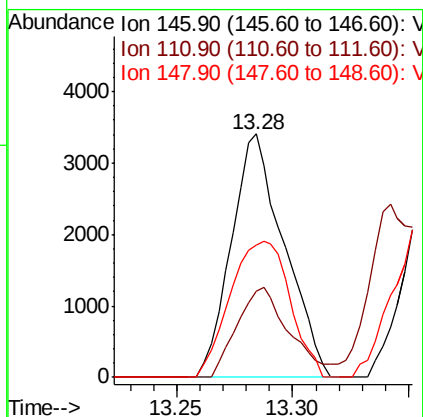
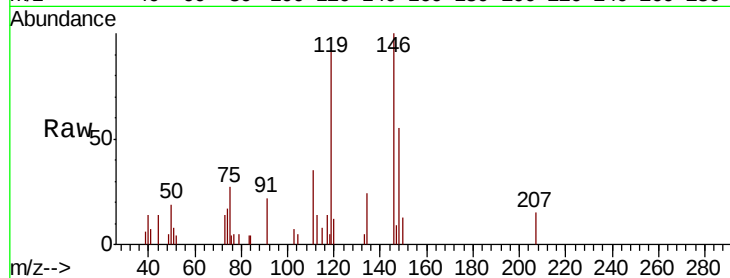
Instrument :

MSVOA_N

ClientSampled :

PB122303TB

Tgt Ion:	146	Resp:	5366
Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	63.5	32.5	97.4



#89

n-Butylbenzene

Concen: 0.488 ug/l

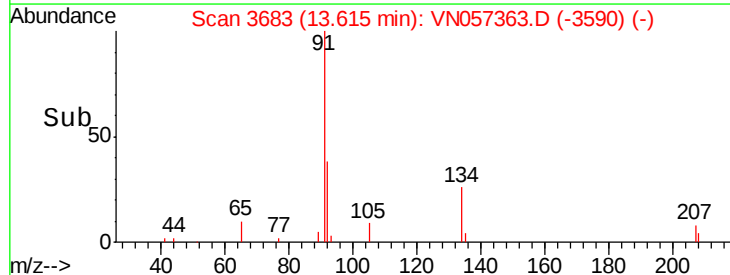
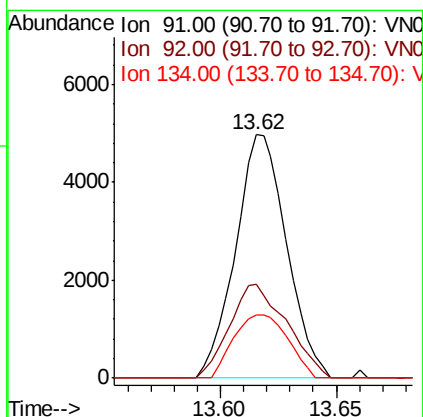
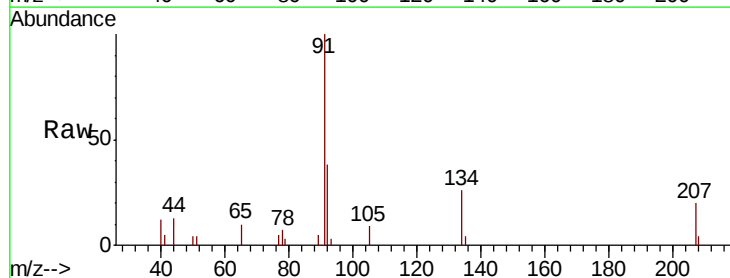
RT: 13.62 min Scan# 3683

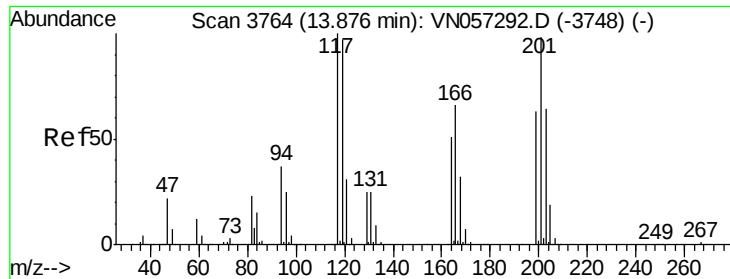
Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Tgt Ion:	91	Resp:	7606
Ion	Ratio	Lower	Upper
91	100		
92	43.1	26.2	78.6
134	27.5	13.9	41.7





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

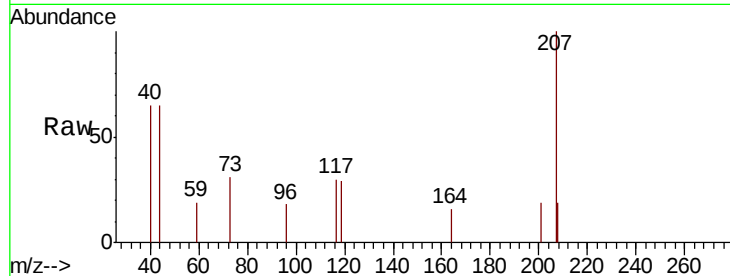
PB122303TB

Tgt Ion:117 Resp: 266

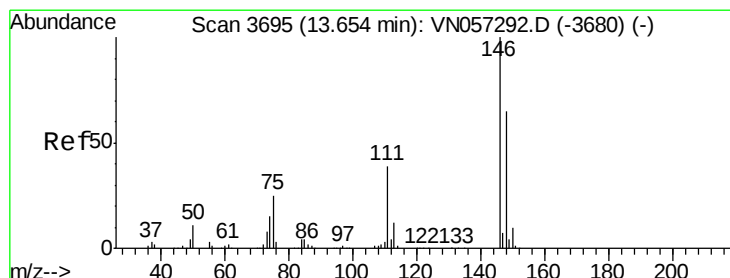
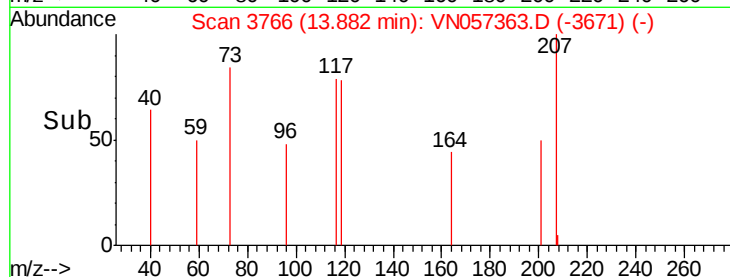
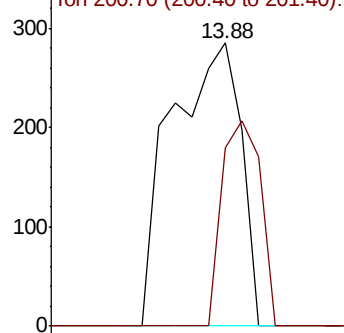
Ion Ratio Lower Upper

117 100

201 40.6 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.660 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

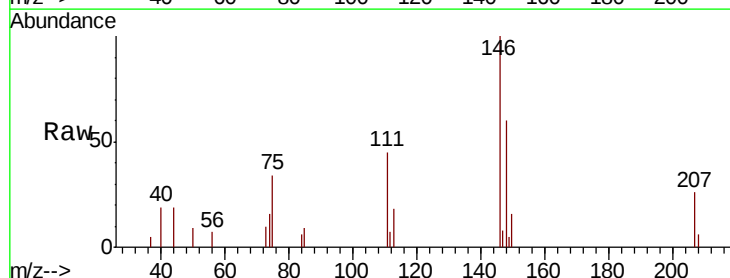
Tgt Ion:146 Resp: 6388

Ion Ratio Lower Upper

146 100

111 34.1 19.7 59.1

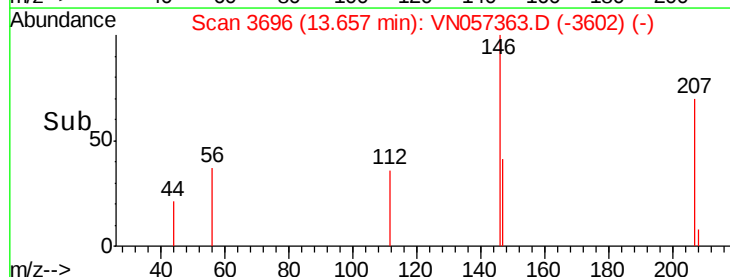
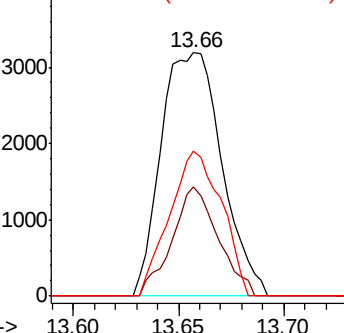
148 50.9 32.0 96.0

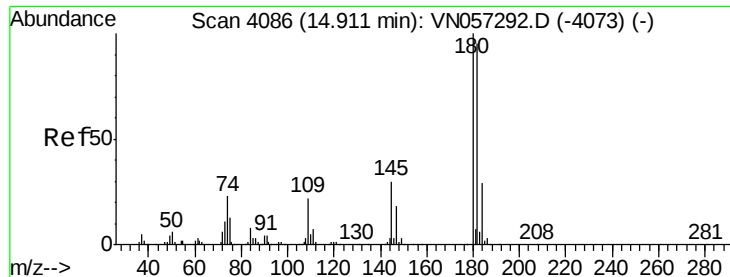


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 6.452 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

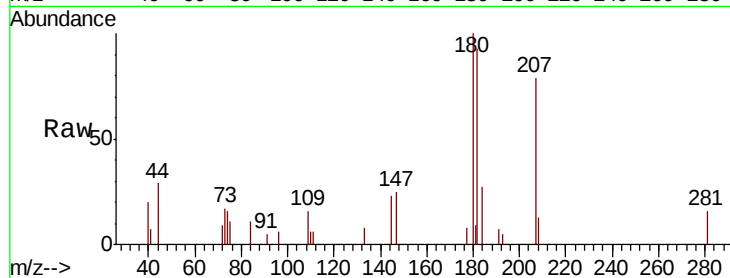
Tgt Ion:180 Resp: 4753

Ion Ratio Lower Upper

180 100

182 85.8 48.0 144.2

145 24.3 14.5 43.6

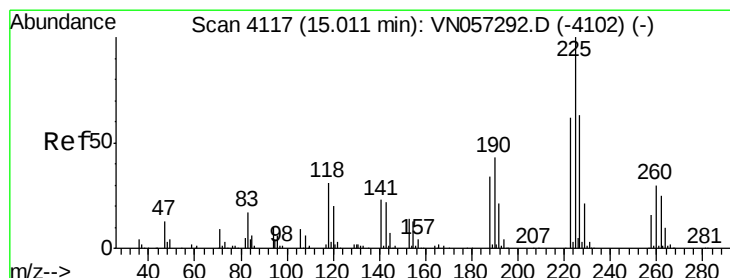
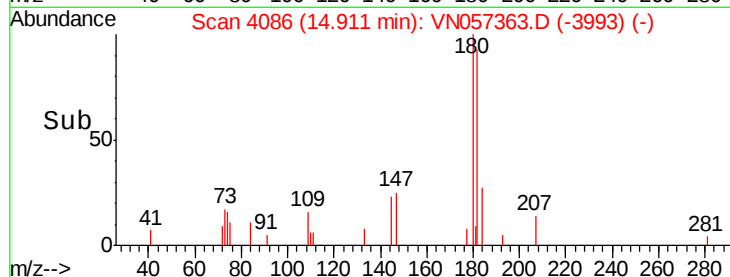
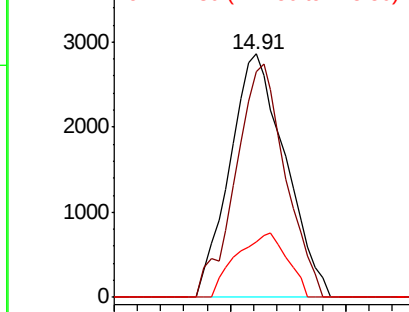


Abundance

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# 4117

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

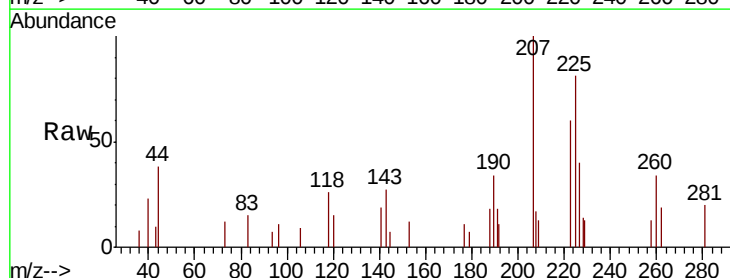
Tgt Ion:225 Resp: 2891

Ion Ratio Lower Upper

225 100

223 63.6 30.7 92.1

227 53.9 30.9 92.7

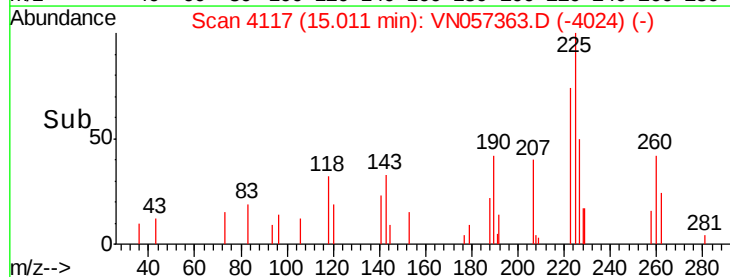
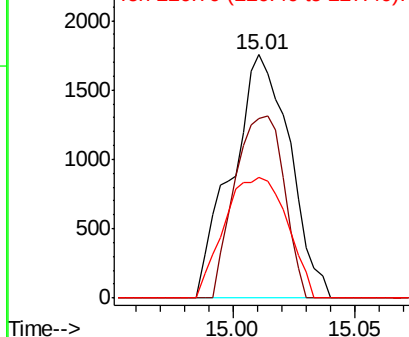


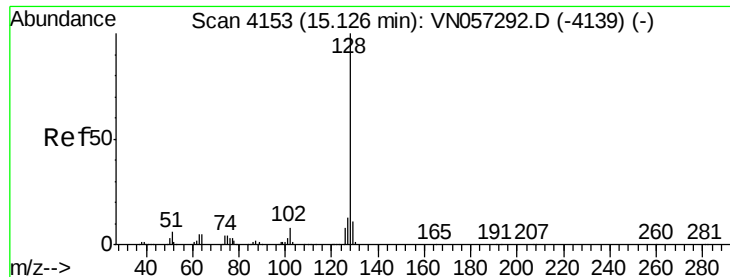
Abundance

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: Below Cal

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB122303TB

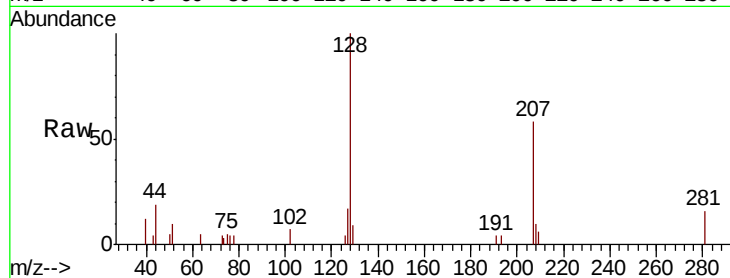
Tgt Ion:128 Resp: 7807

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

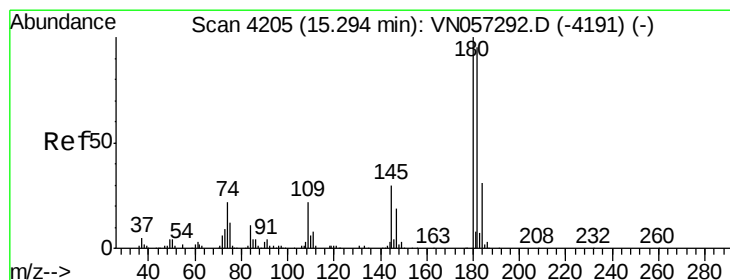
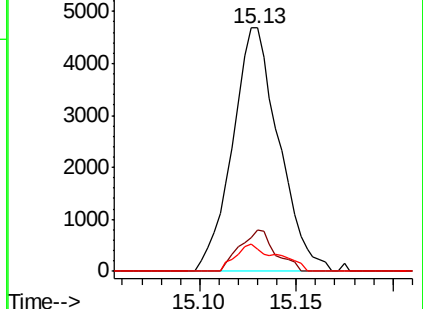
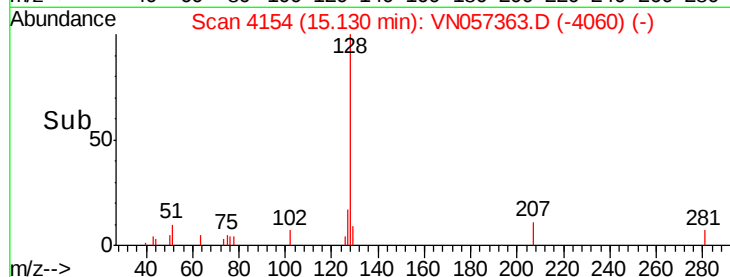
129 10.1 8.8 13.2



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: Below Cal

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057363.D

Acq: 16 Aug 2019 19:11

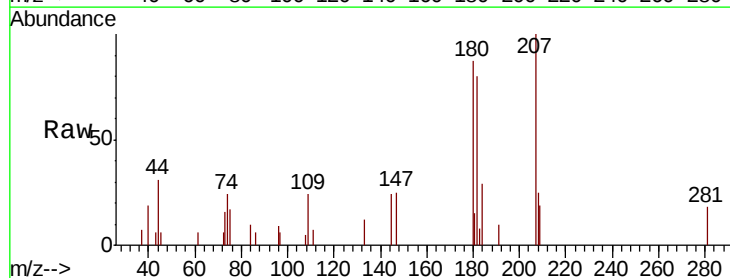
Tgt Ion:180 Resp: 4540

Ion Ratio Lower Upper

180 100

182 97.5 47.9 143.6

145 27.5 15.1 45.3



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

