

Data File : VN059935.D
Acq On : 30 Jan 2020 17:39
Operator : JC/MD
Sample : PB126447ZHE#11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#11

Quant Time: Jan 31 00:37:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123749	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	107510	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
35) Dibromofluoromethane	7.57	113	90185	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.08	98	355583	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.40	95	127758	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	

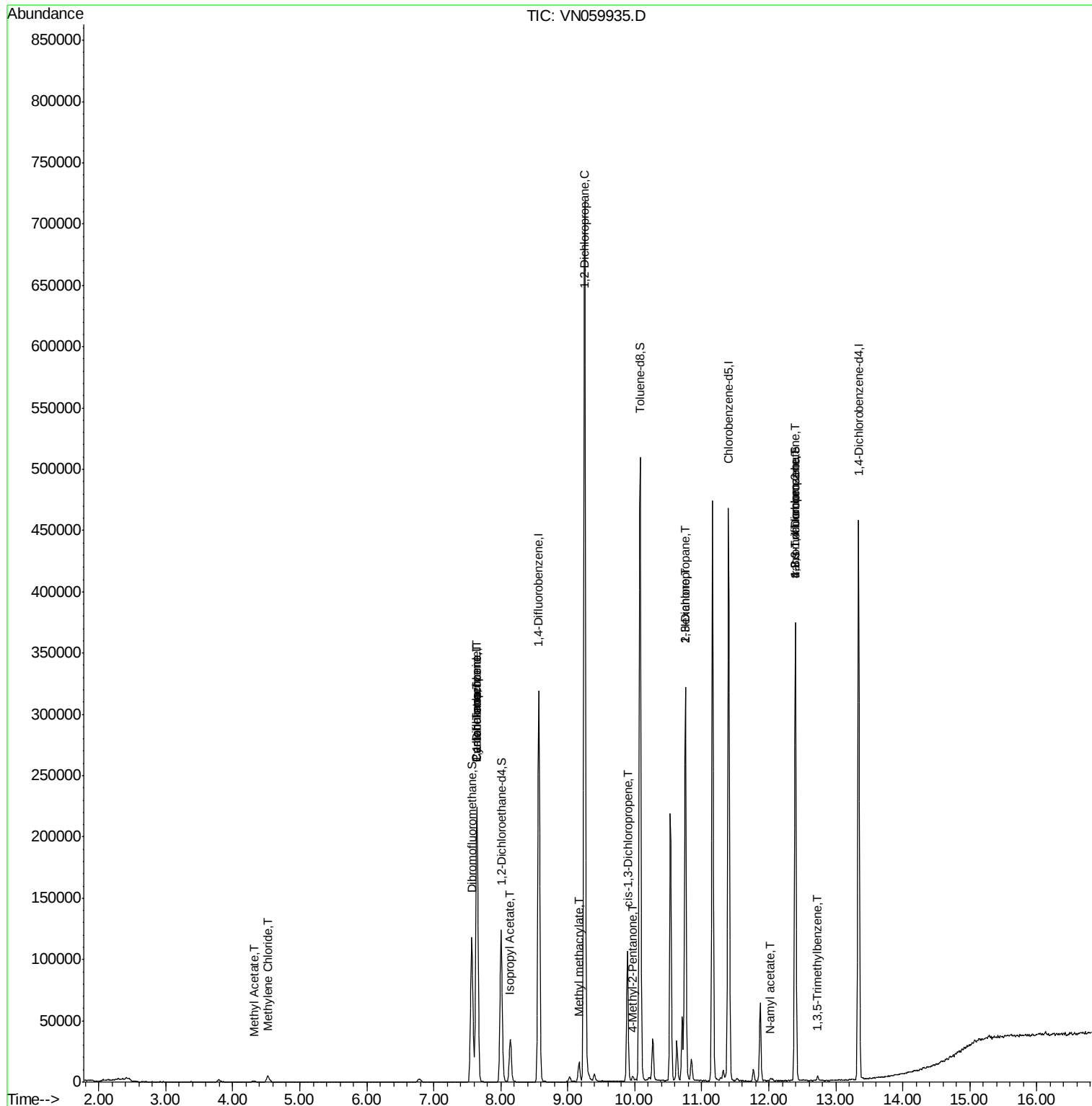
Target Compounds				Qvalue		
16) Acetone	3.80	43	3776	Below Cal		93
18) Methyl Acetate	4.31	43	1225	0.485 ug/l #		54
20) Methylene Chloride	4.53	84	3873	0.703 ug/l		86
31) Cyclohexane	7.64	56	3528	1.102 ug/l #		1
36) 1,1-Dichloropropene	7.64	75	13100	5.103 ug/l #		50
38) Carbon Tetrachloride	7.64	117	18067	6.469 ug/l #		17
43) Isopropyl Acetate	8.14	43	42201	10.189 ug/l		91
45) 1,2-Dichloropropane	9.24	63	790	0.417 ug/l #		44
48) Methyl methacrylate	9.16	41	2232	1.205 ug/l #		13
51) 4-Methyl-2-Pentanone	9.97	43	2652	1.108 ug/l		94
54) cis-1,3-Dichloropropene	9.89	75	19651	6.210 ug/l #		59
57) 1,3-Dichloropropane	10.76	76	3585	1.179 ug/l #		42
59) 2-Hexanone	10.75	43	44587	25.279 ug/l #		54
74) N-amyl acetate	12.03	43	1131	0.321 ug/l #		45
76) 1,2,3-Trichloropropane	12.40	75	64169	30.812 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	2393	0.314 ug/l		93
81) trans-1,4-Dichloro-2-buten	12.40	75	64169	66.170 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30	Below Cal #		6

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

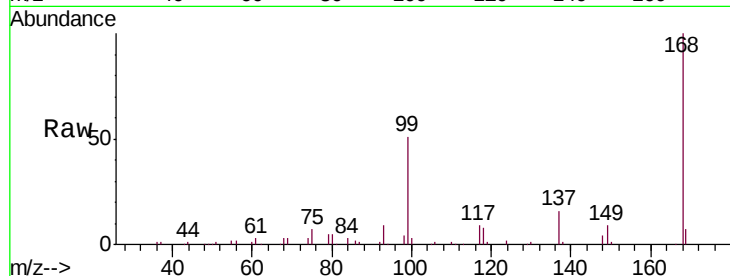
PB126447ZHE#11

Tgt Ion:168 Resp: 194797

Ion Ratio Lower Upper

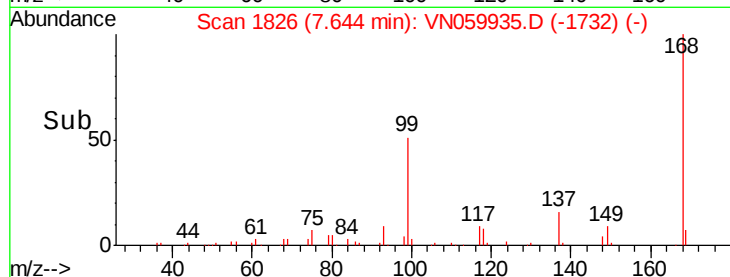
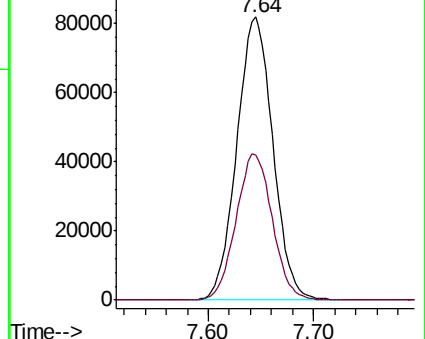
168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059935.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059935.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN059935.D

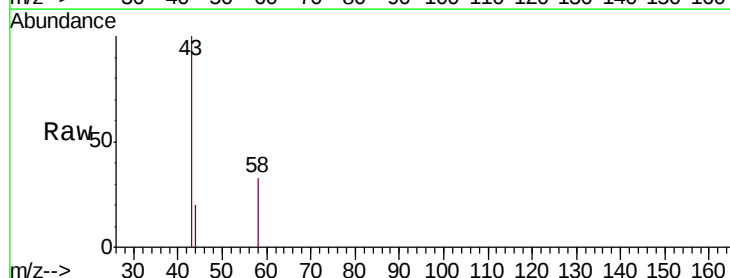
Acq: 30 Jan 2020 17:39

Tgt Ion: 43 Resp: 3776

Ion Ratio Lower Upper

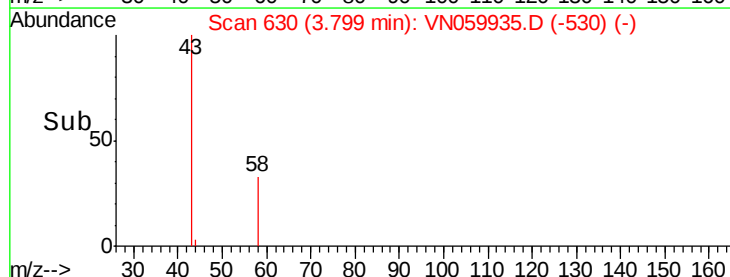
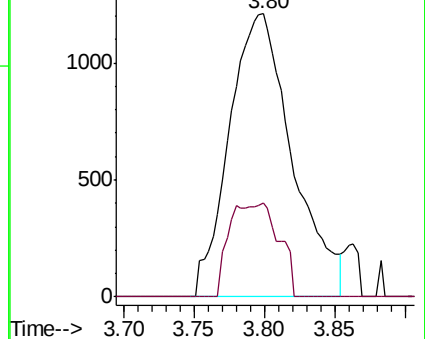
43 100

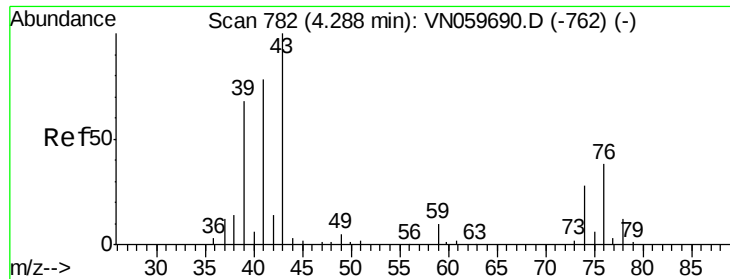
58 33.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059935.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059935.D (-530) (-)

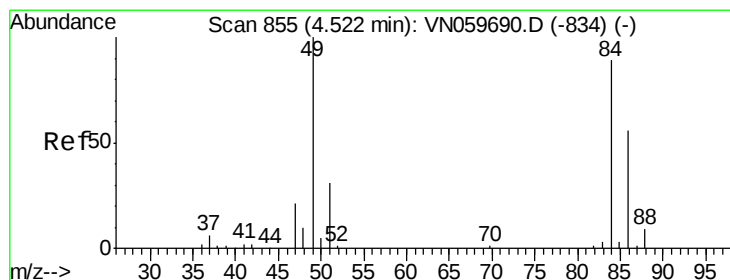
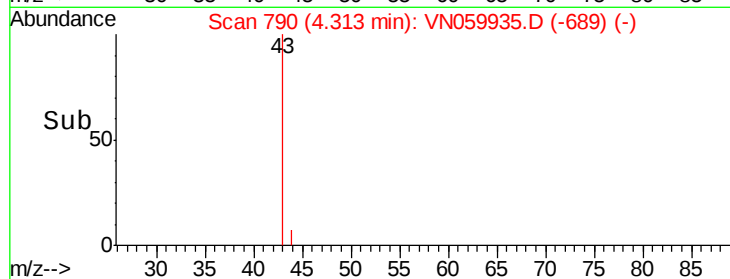
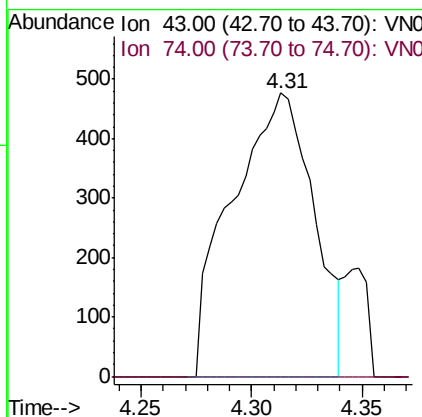
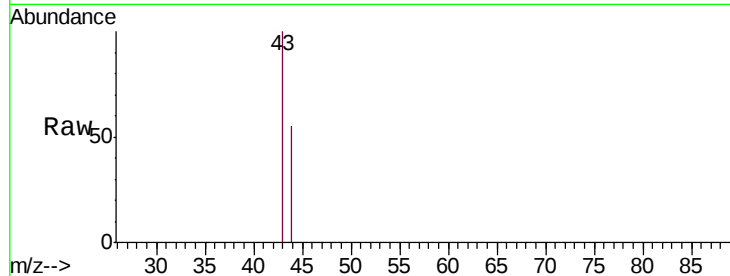




#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.03 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

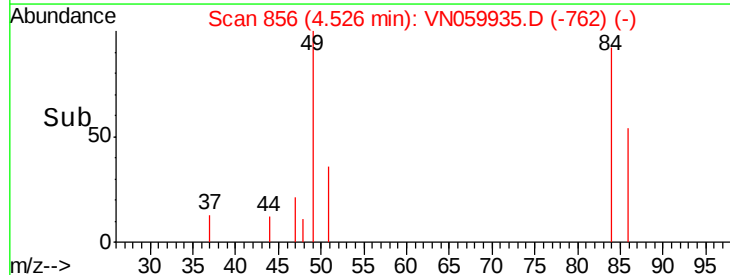
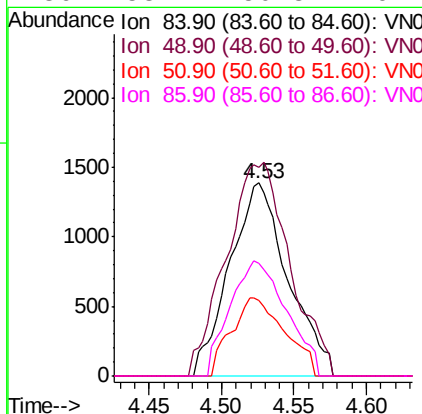
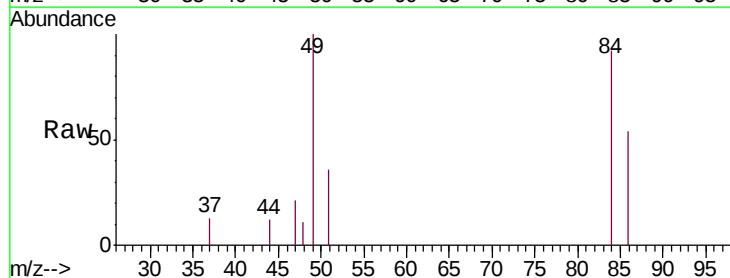
Instrument :
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ClientSampleId :
PB126447ZHE#11

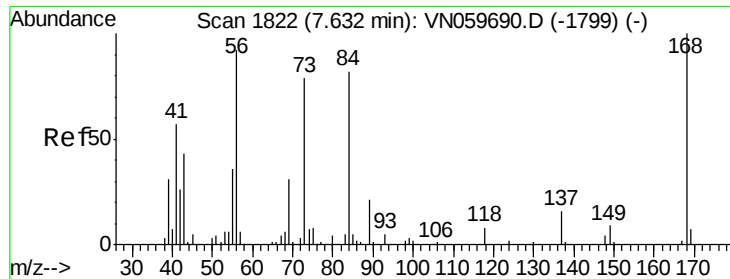
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.703 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

Tgt Ion: 84 Resp: 3873
Ion Ratio Lower Upper
84 100
49 108.2 106.6 160.0
51 38.9 31.9 47.9
86 58.1 50.8 76.2

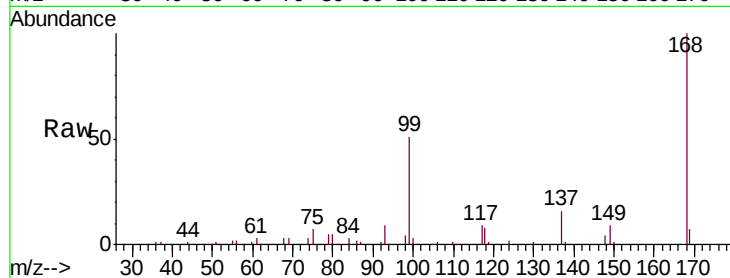




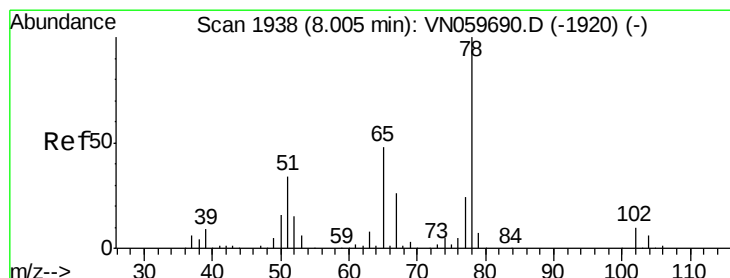
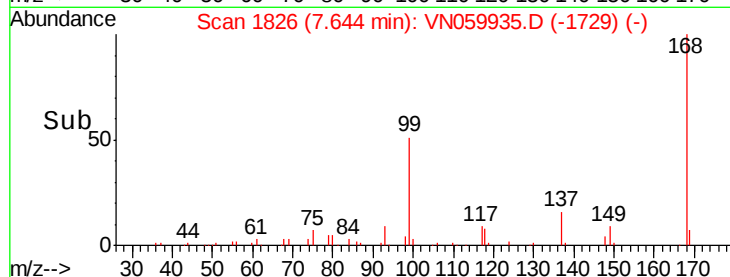
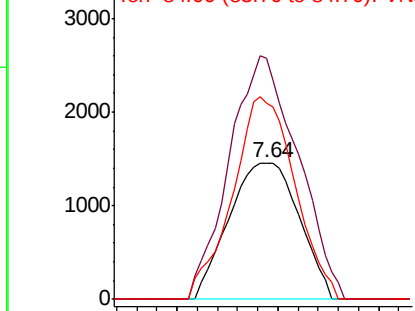
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB126447ZHE#11

Tgt Ion: 56 Resp: 3528
Ion Ratio Lower Upper
56 100
69 176.0 26.5 39.7#
84 144.0 65.3 97.9#

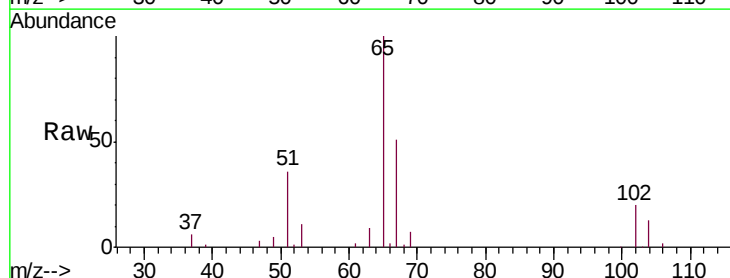


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

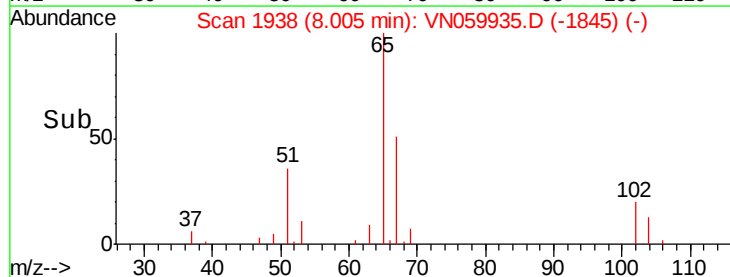
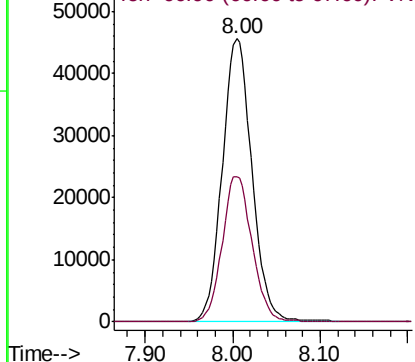


#33
1,2-Dichloroethane-d4
Concen: 49.698 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

Tgt Ion: 65 Resp: 107510
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0



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

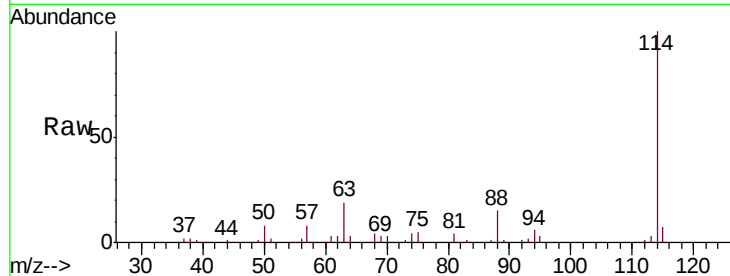




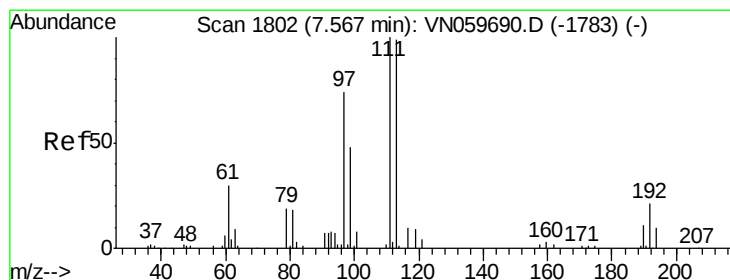
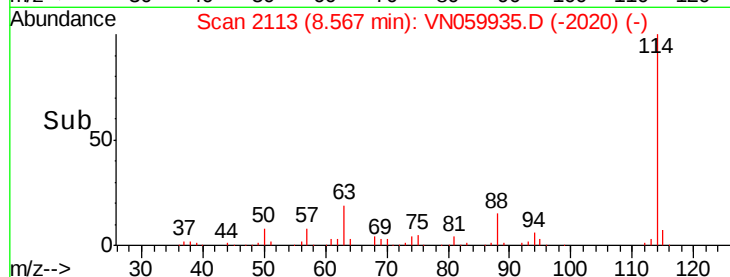
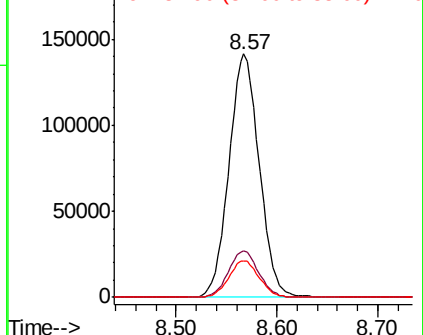
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#11

Tgt Ion:114 Resp: 294812
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.1 0.0 31.4

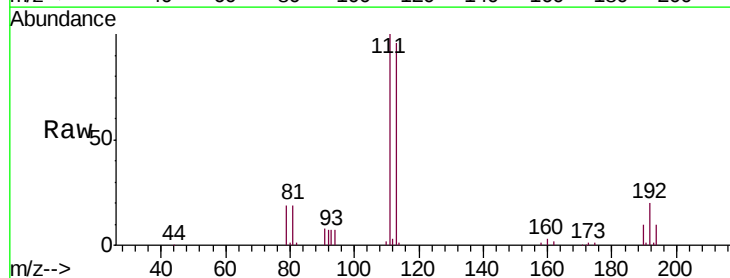


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

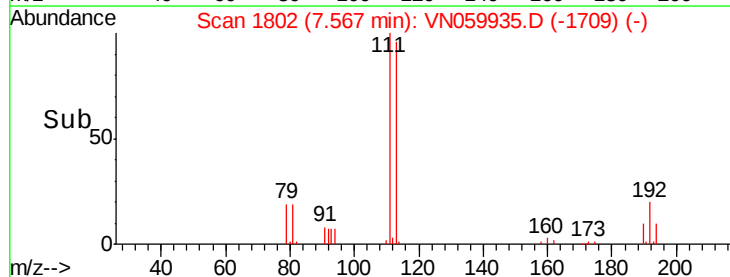
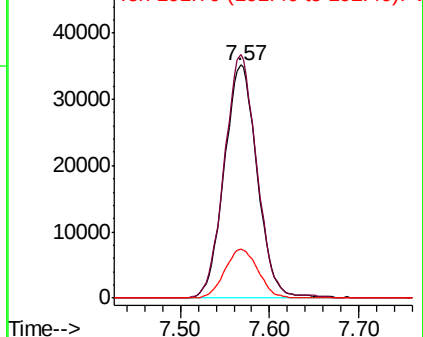


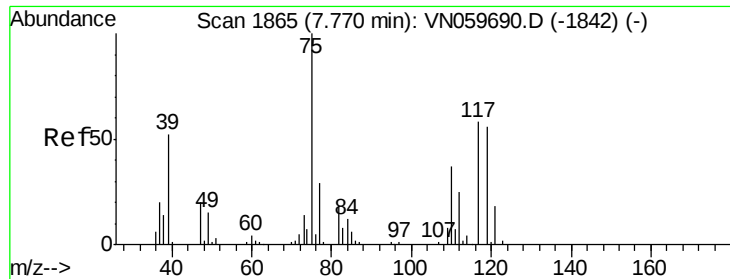
#35
 Dibromofluoromethane
 Concen: 51.297 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Tgt Ion:113 Resp: 90185
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.5 125.3
 192 21.0 15.4 23.2



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

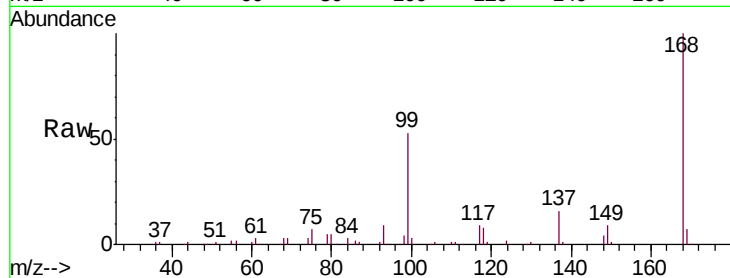




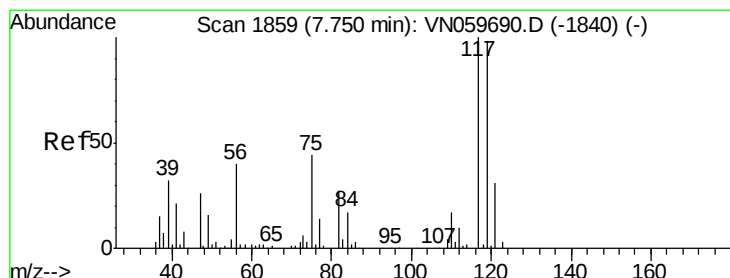
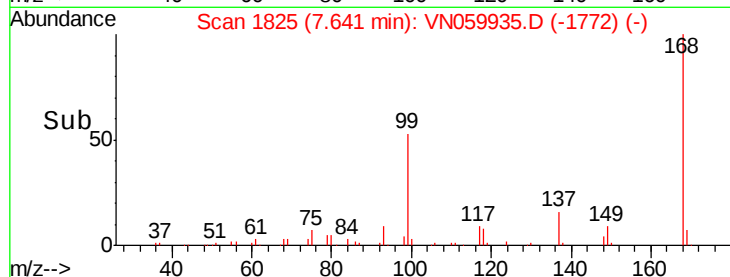
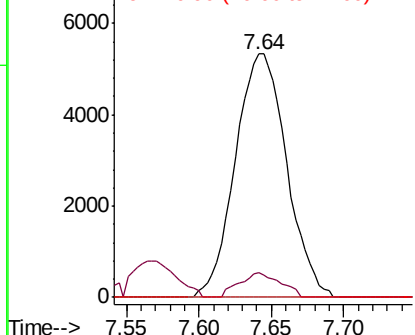
#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#11

Tgt Ion: 75 Resp: 13100
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.6 49.7#
 77 0.0 25.1 37.7#

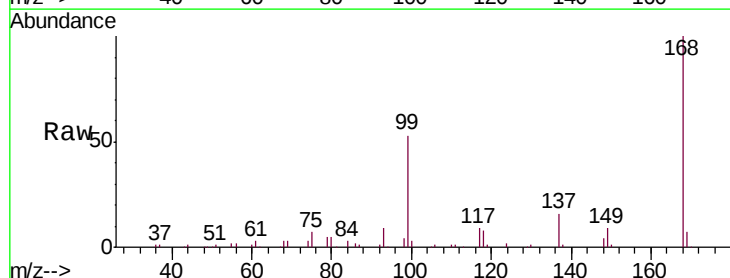


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

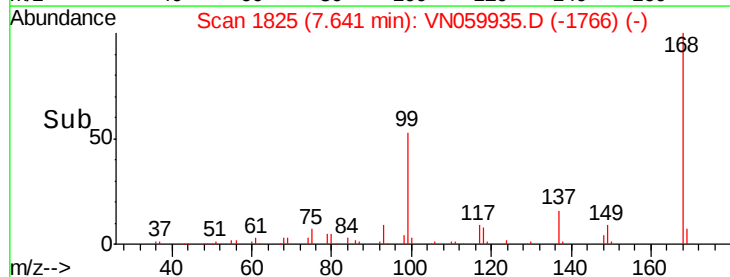
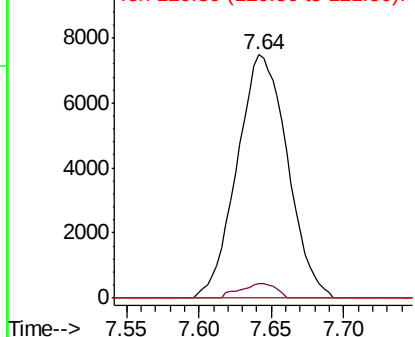


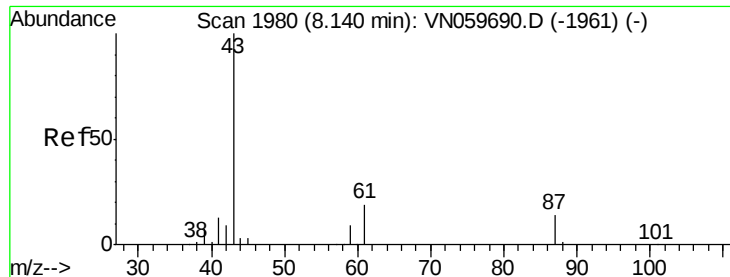
#38
 Carbon Tetrachloride
 Concen: 6.469 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Tgt Ion: 117 Resp: 18067
 Ion Ratio Lower Upper
 117 100
 119 6.0 76.5 114.7#
 121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 10.189 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

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PB126447ZHE#11

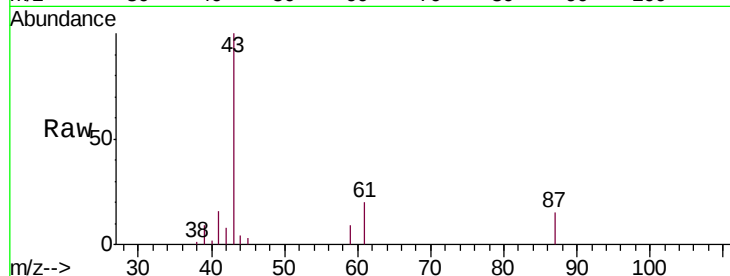
Tgt Ion: 43 Resp: 42201

Ion Ratio Lower Upper

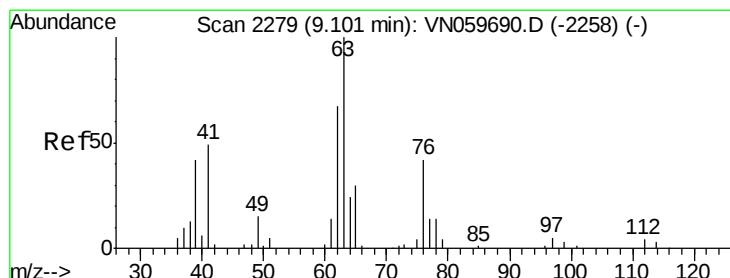
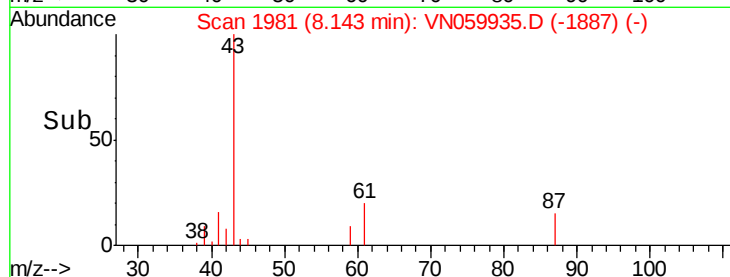
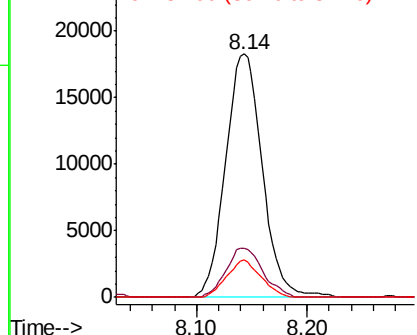
43 100

61 20.3 20.2 30.2

87 14.2 9.5 14.3



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



#45

1,2-Dichloropropane

Concen: 0.417 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.14 min

Lab File: VN059935.D

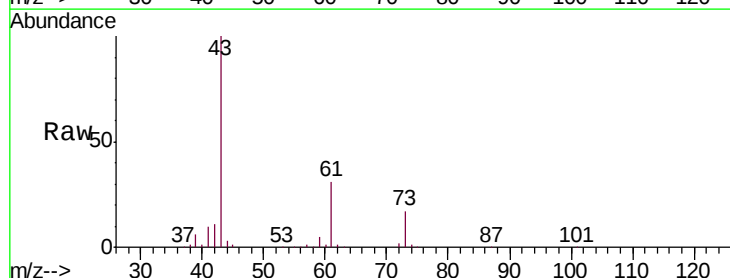
Acq: 30 Jan 2020 17:39

Tgt Ion: 63 Resp: 790

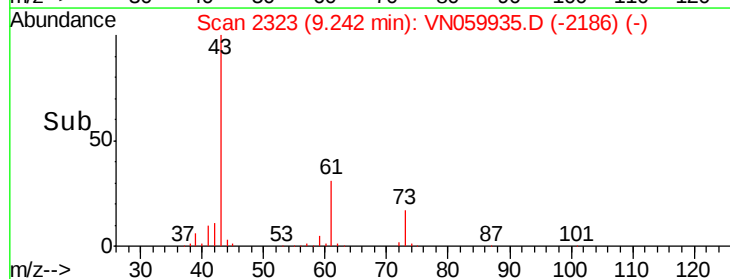
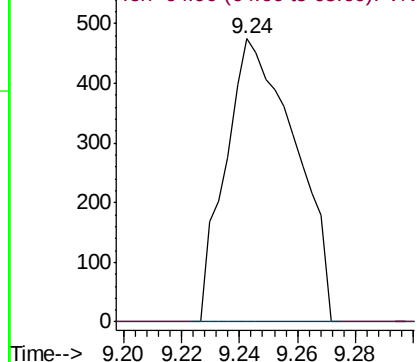
Ion Ratio Lower Upper

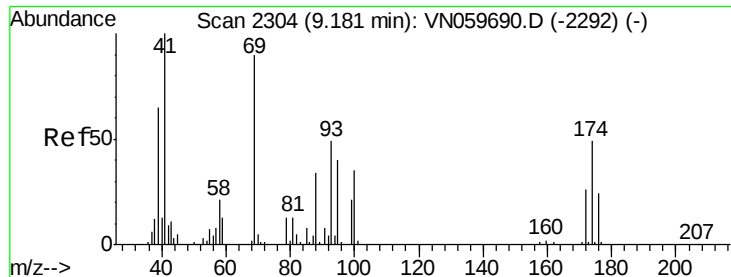
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

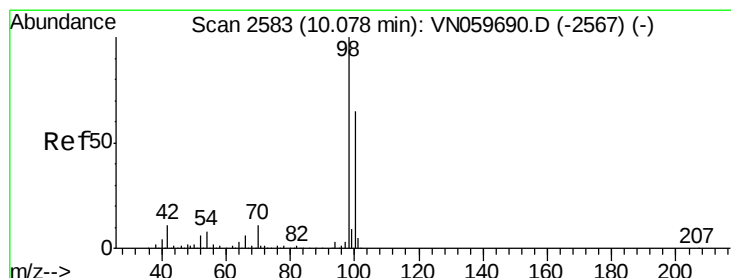
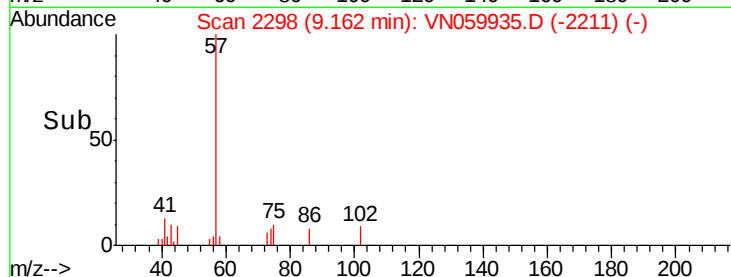
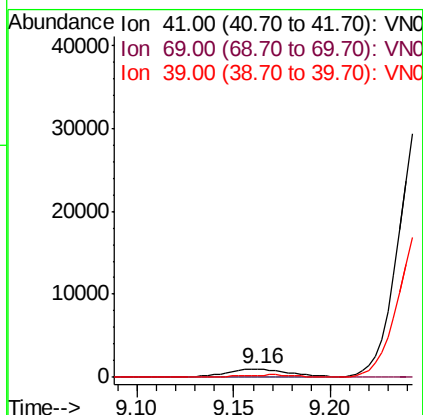
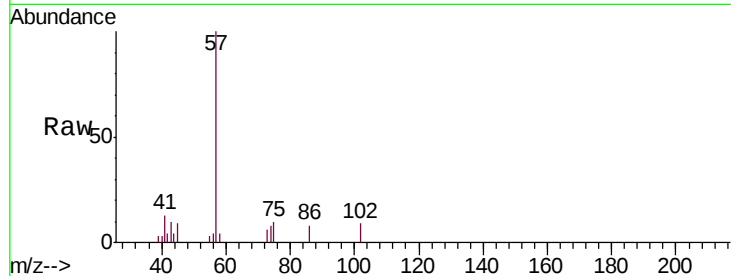




#48
Methyl methacrylate
Concen: 1.205 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

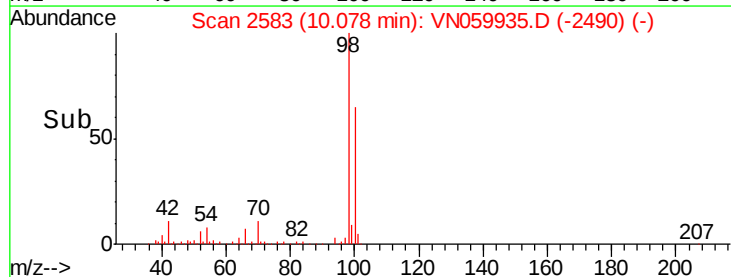
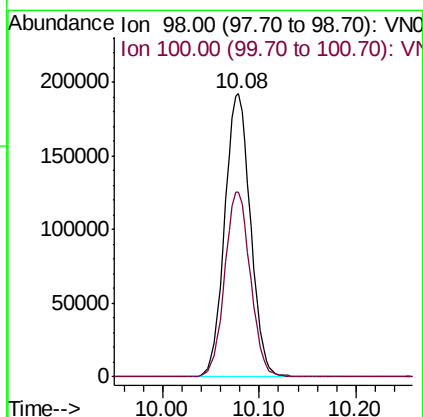
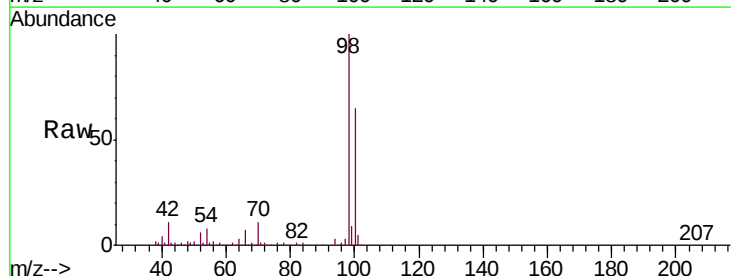
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PB126447ZHE#11

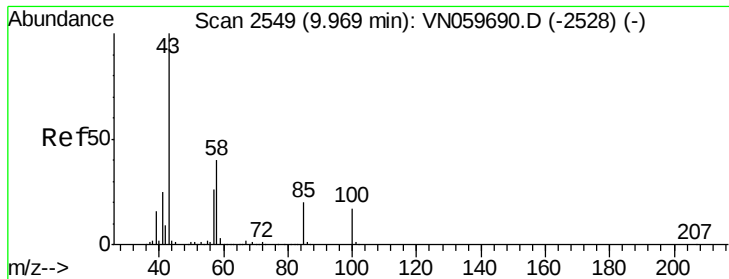
Tgt Ion: 41 Resp: 2232
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.201 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059935.D
Acq: 30 Jan 2020 17:39

Tgt Ion: 98 Resp: 355583
Ion Ratio Lower Upper
98 100
100 65.0 51.2 76.8

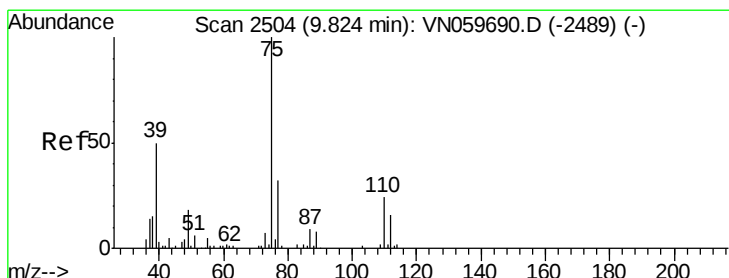
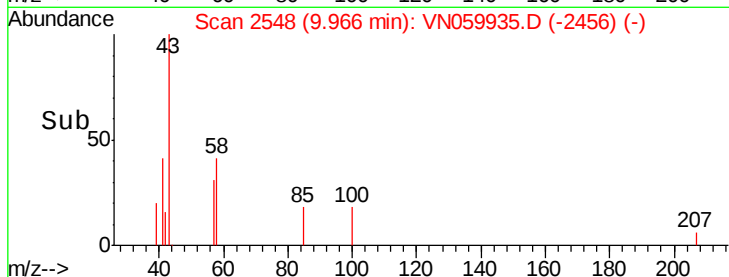
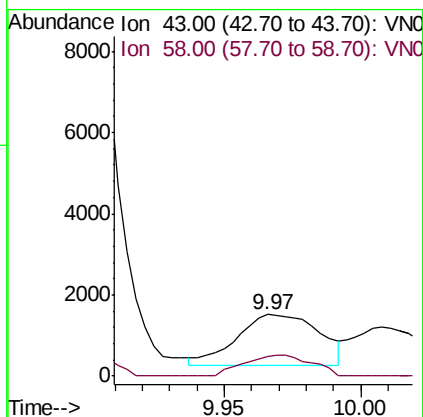
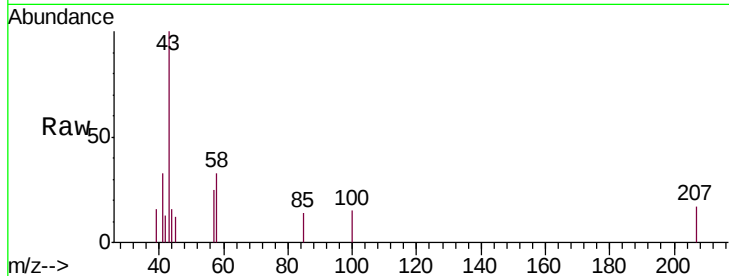




#51
 4-Methyl-2-Pentanone
 Concen: 1.108 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

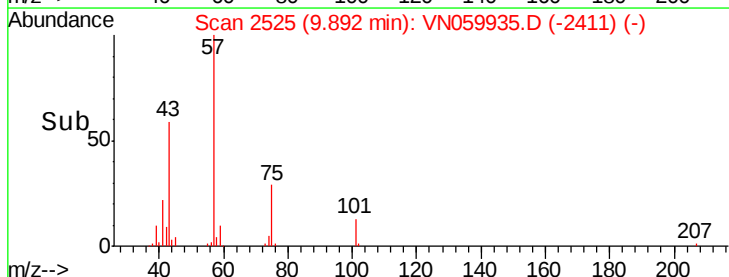
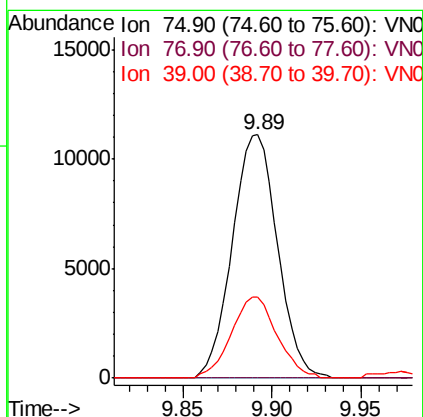
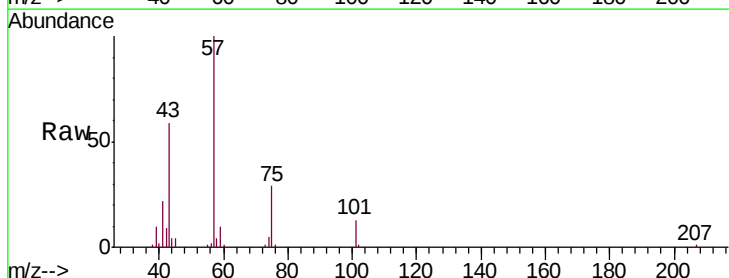
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#11

Tgt Ion: 43 Resp: 2652
 Ion Ratio Lower Upper
 43 100
 58 33.7 29.8 44.8



#54
 cis-1,3-Dichloropropene
 Concen: 6.210 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Tgt Ion: 75 Resp: 19651
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.1 46.1 69.1#

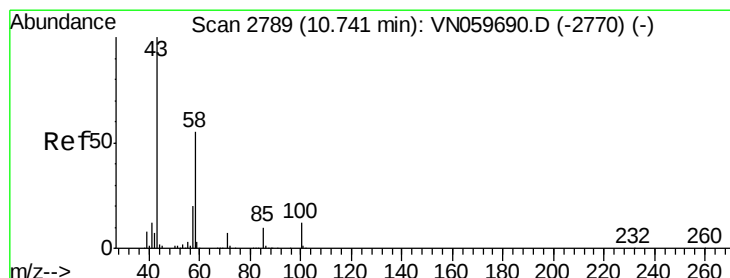
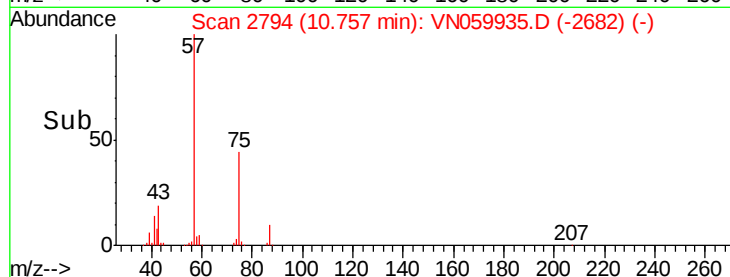
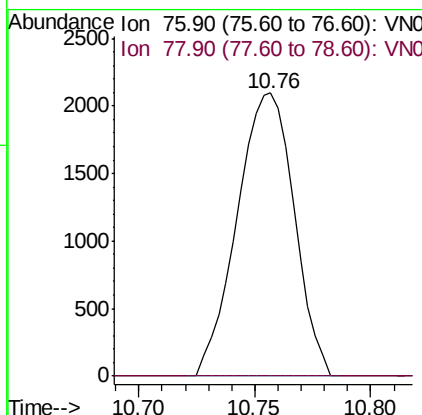
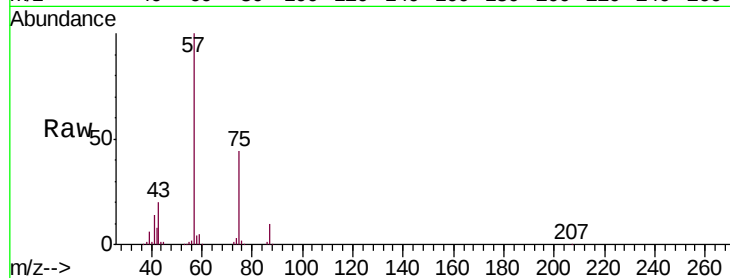




#57
 1,3-Dichloropropane
 Concen: 1.179 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

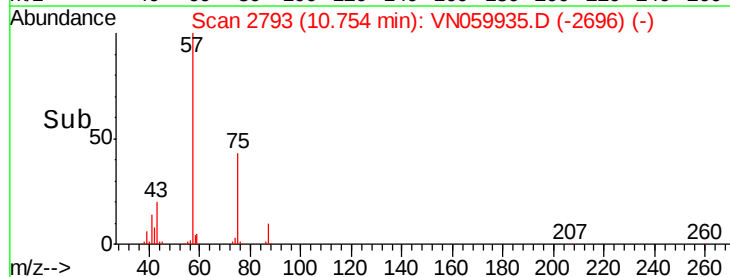
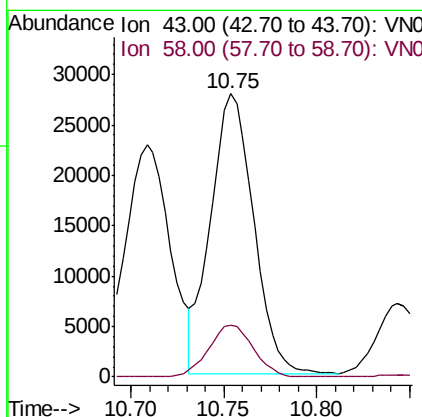
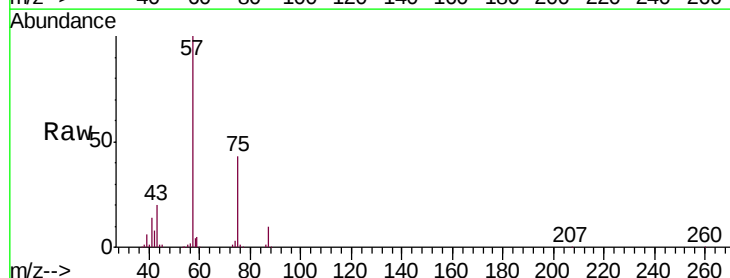
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126447ZHE#11

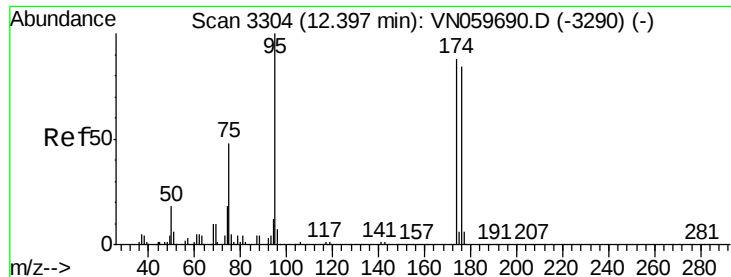
Tgt Ion: 76 Resp: 3585
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 25.279 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059935.D
 Acq: 30 Jan 2020 17:39

Tgt Ion: 43 Resp: 44587
 Ion Ratio Lower Upper
 43 100
 58 19.3 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 52.027 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#11

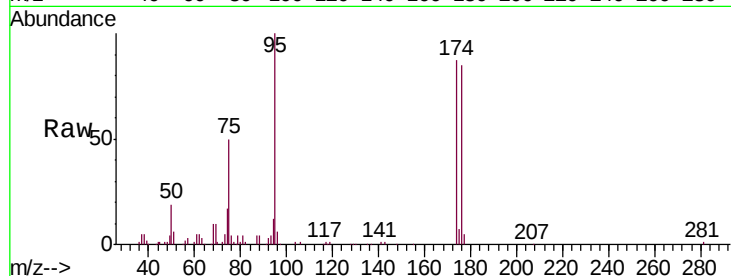
Tgt Ion: 95 Resp: 127758

Ion Ratio Lower Upper

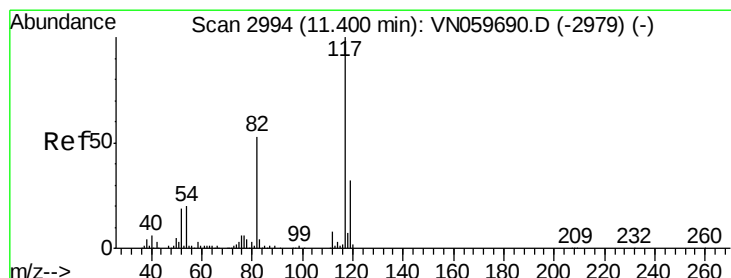
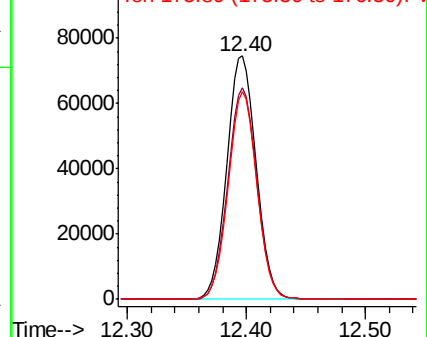
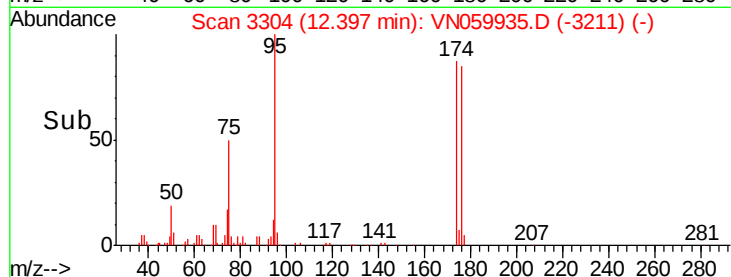
95 100

174 86.1 0.0 151.4

176 83.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059935.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

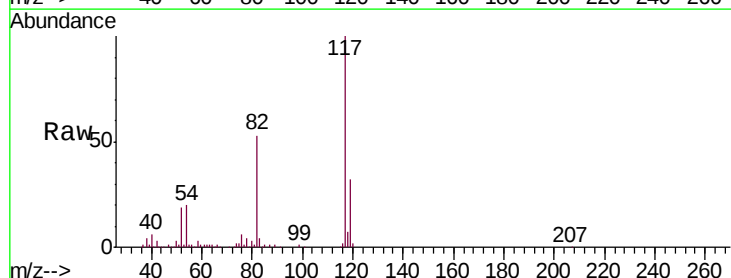
Tgt Ion: 117 Resp: 275827

Ion Ratio Lower Upper

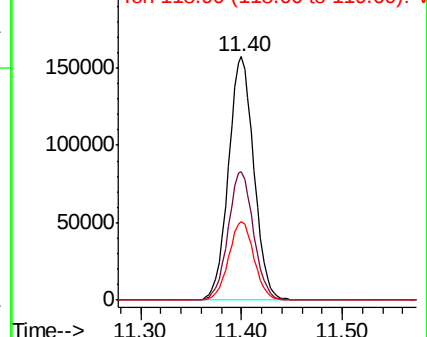
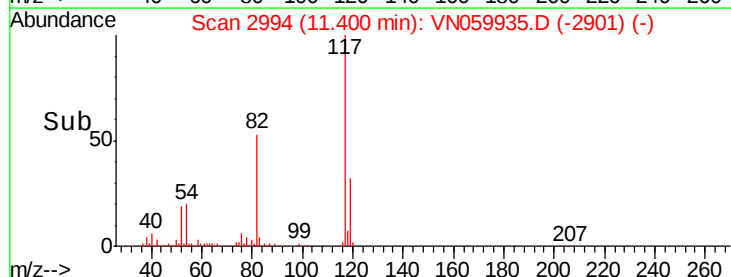
117 100

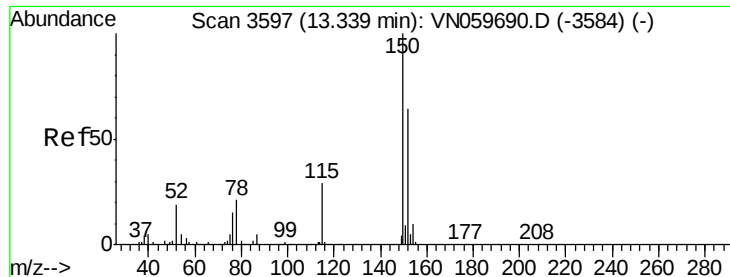
82 53.0 45.9 68.9

119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059935.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#11

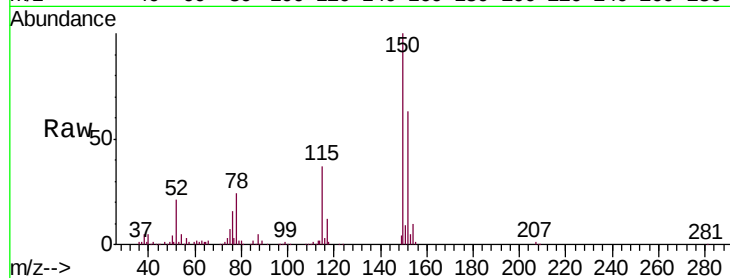
Tgt Ion:152 Resp: 123749

Ion Ratio Lower Upper

152 100

115 58.4 30.3 90.9

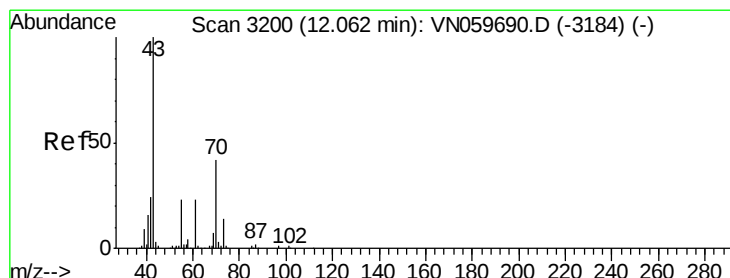
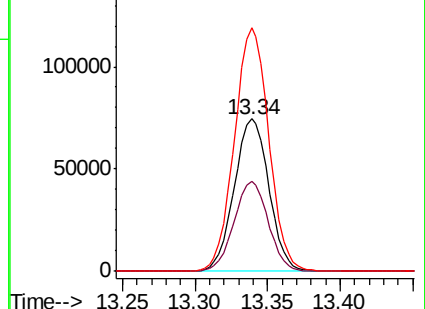
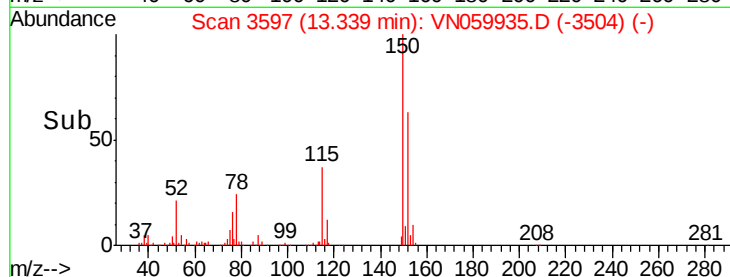
150 158.4 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.321 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Tgt Ion: 43 Resp: 1131

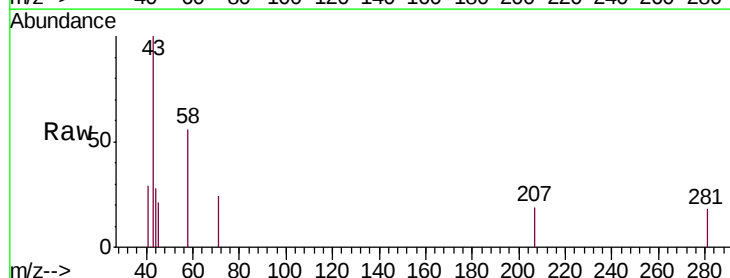
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

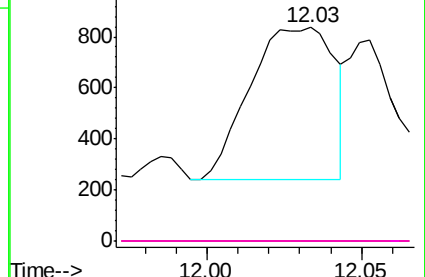
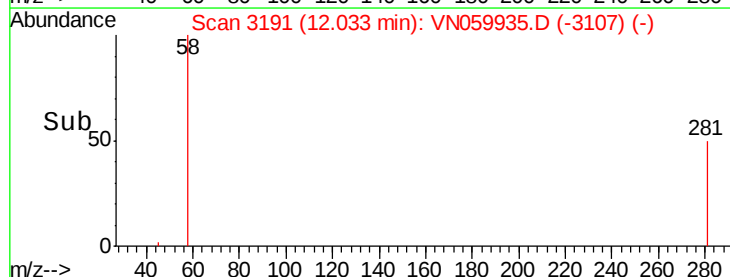


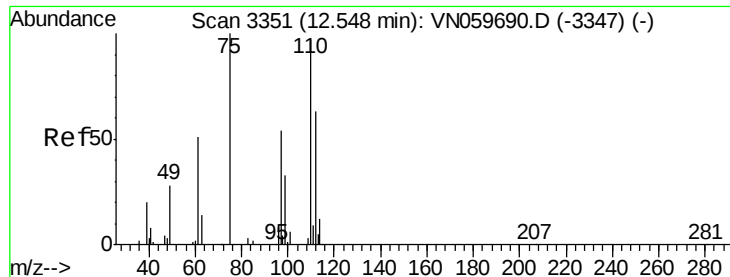
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.812 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

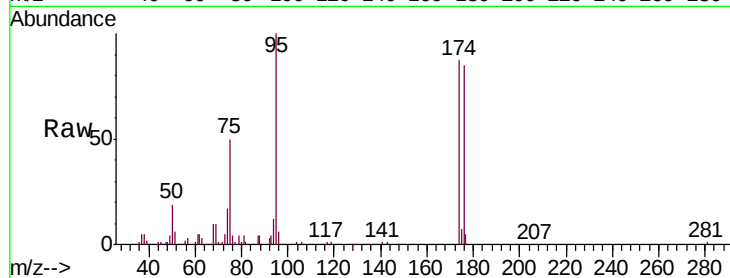
PB126447ZHE#11

Tgt Ion: 75 Resp: 64169

Ion Ratio Lower Upper

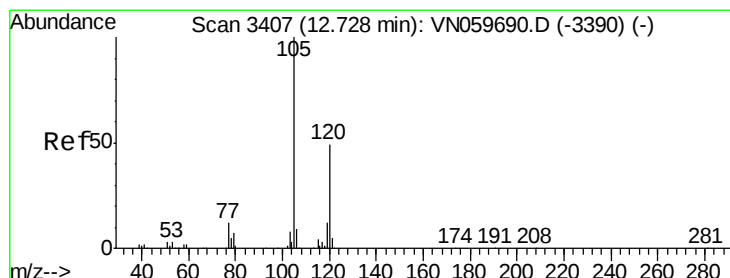
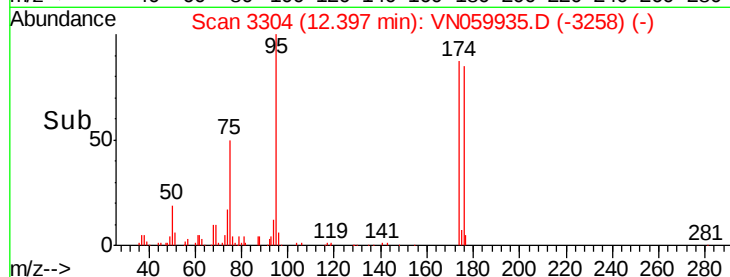
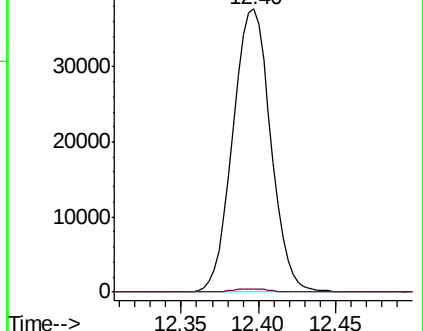
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059935.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN059935.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.314 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059935.D

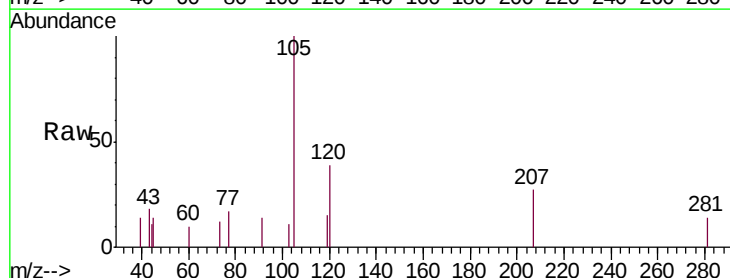
Acq: 30 Jan 2020 17:39

Tgt Ion: 105 Resp: 2393

Ion Ratio Lower Upper

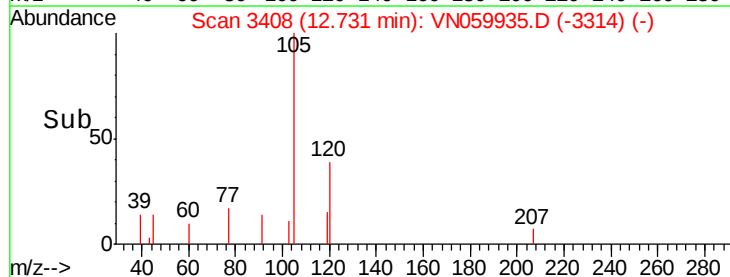
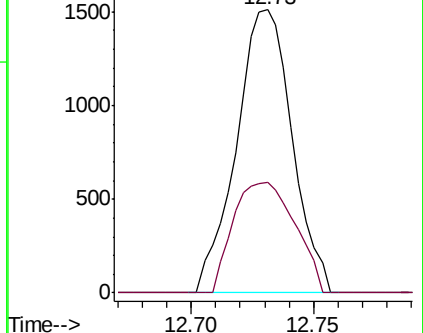
105 100

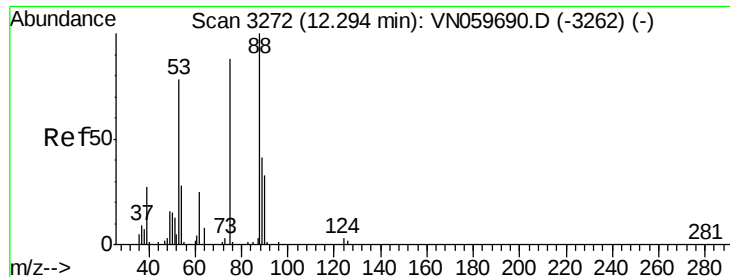
120 43.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059935.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059935.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.170 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB126447ZHE#11

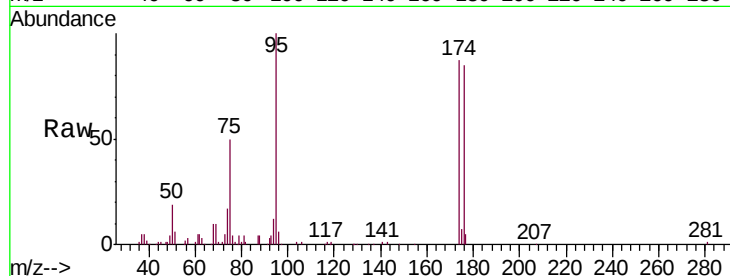
Tgt Ion: 75 Resp: 64169

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

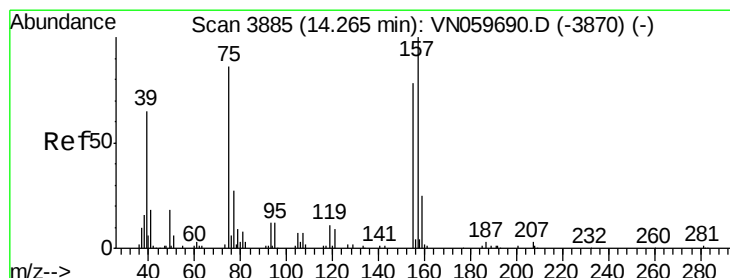
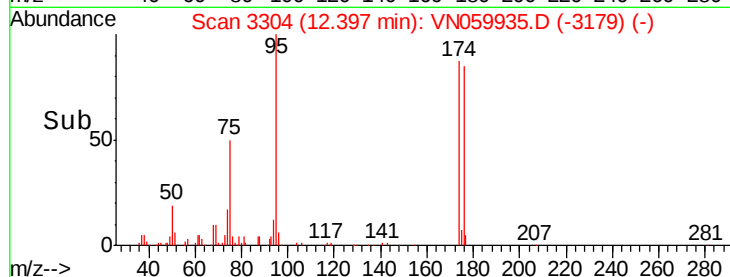
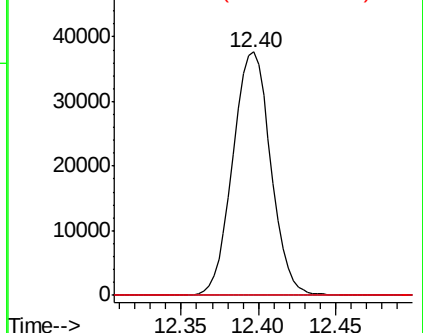
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059935.D

Acq: 30 Jan 2020 17:39

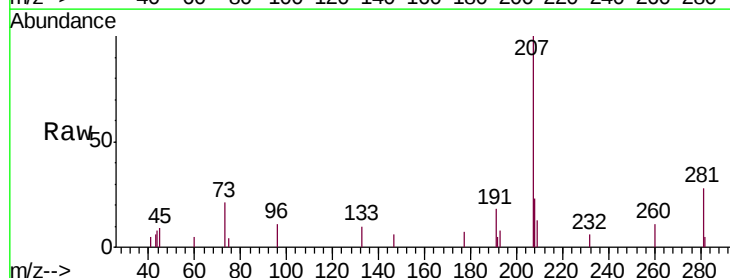
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

