

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011620\
 Data File : VN059728.D
 Acq On : 16 Jan 2020 13:44
 Operator : JC/MD
 Sample : L1136-05ME
 Misc : 7.27g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB457_200113_28-30ME

Quant Time: Jan 17 04:36:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	239288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111853	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	96495	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	7.56	113	84167	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.08	98	314758	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	110867	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

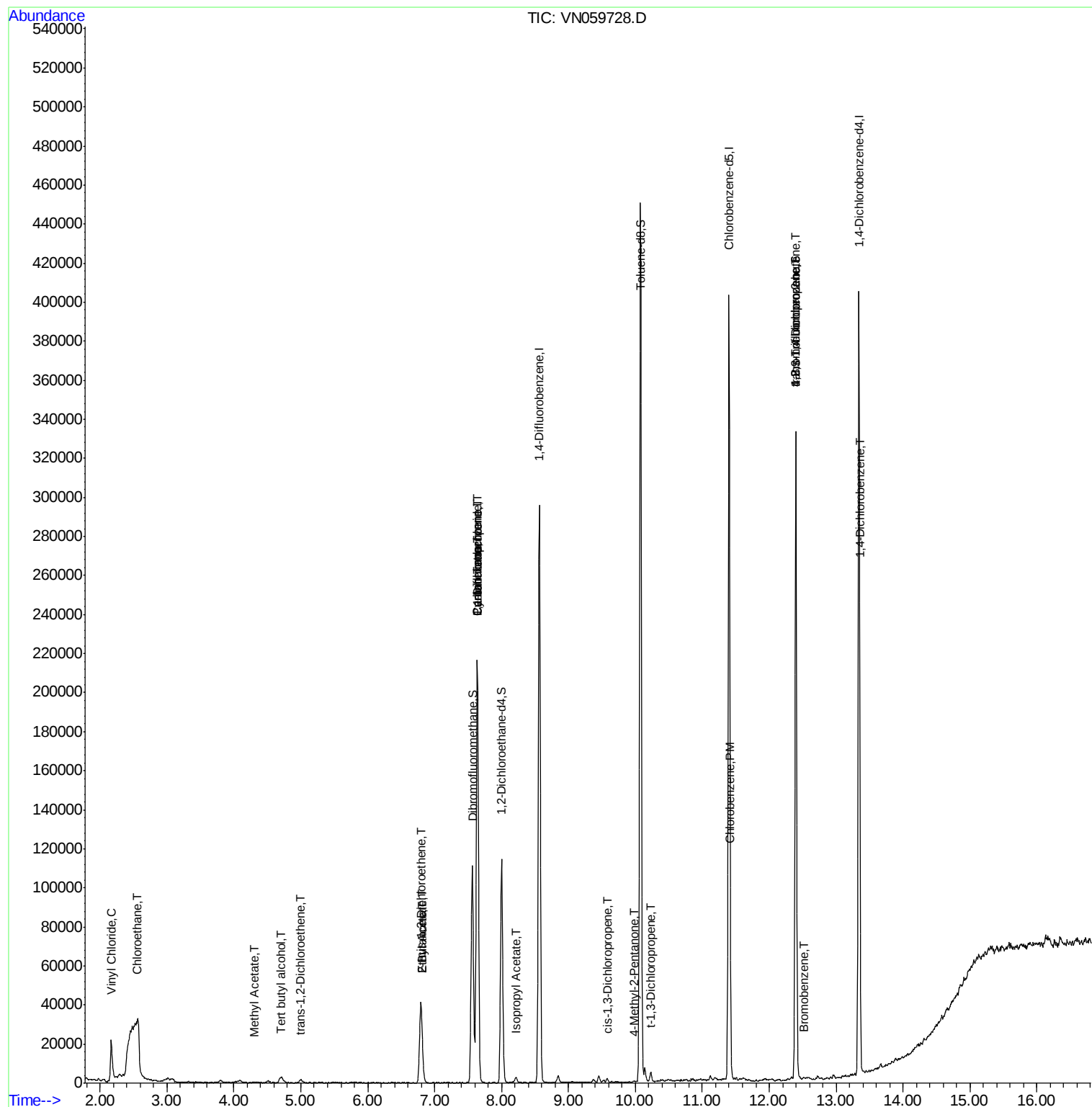
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	22804	9.302	ug/l	99
6) Chloroethane	2.56	64	300	0.259	ug/l #	43
11) Tert butyl alcohol	4.69	59	1276	3.647	ug/l #	72
16) Acetone	3.80	43	2645	Below Cal		92
18) Methyl Acetate	4.31	43	852	0.351	ug/l #	54
20) Methylene Chloride	4.50	84	391	Below Cal	#	73
21) trans-1,2-Dichloroethene	4.99	96	476	0.262	ug/l #	73
25) 2-Butanone	6.82	43	1308	1.111	ug/l #	75
27) cis-1,2-Dichloroethene	6.80	96	29174	13.936	ug/l	77
31) Cyclohexane	7.63	56	3513	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12954	5.392	ug/l #	50
37) Ethyl Acetate	6.82	43	1308	0.581	ug/l #	72
38) Carbon Tetrachloride	7.64	117	17279	6.612	ug/l #	15
43) Isopropyl Acetate	8.21	43	1468	0.379	ug/l #	56
51) 4-Methyl-2-Pentanone	9.98	43	542	0.242	ug/l #	38
53) t-1,3-Dichloropropene	10.23	75	3269	1.162	ug/l #	43
54) cis-1,3-Dichloropropene	9.58	75	1697	0.573	ug/l #	43
65) Chlorobenzene	11.43	112	1113	0.237	ug/l	92
76) 1,2,3-Trichloropropane	12.40	75	54830	29.128	ug/l #	100
77) Bromobenzene	12.53	156	1136	0.547	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	54830	62.553	ug/l #	11
88) 1,4-Dichlorobenzene	13.36	146	723	0.201	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.28	75	300	Below Cal	#	6

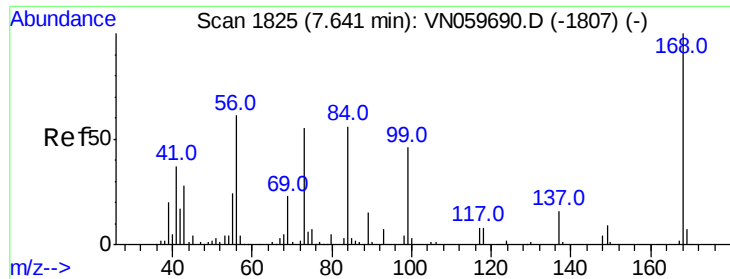
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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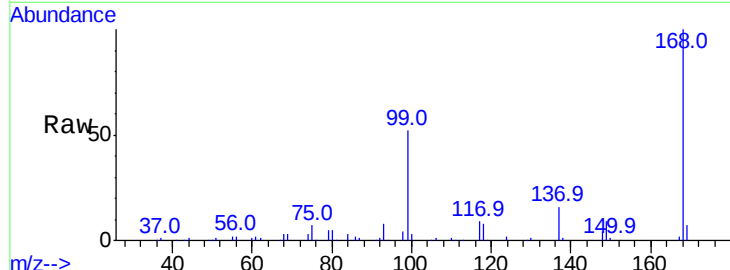




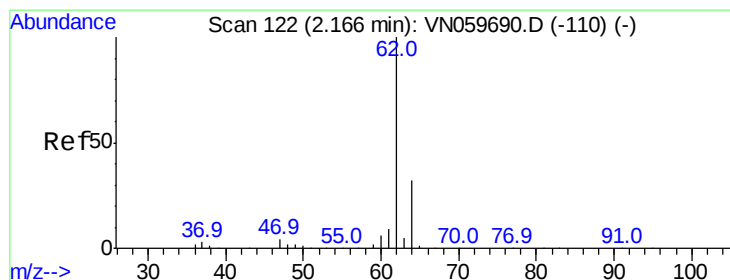
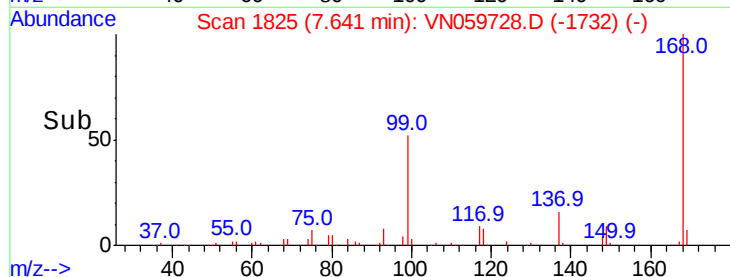
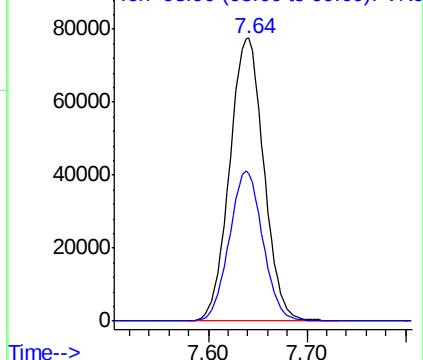
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion: 168 Resp: 187150
Ion Ratio Lower Upper
168 100
99 52.4 48.2 72.4

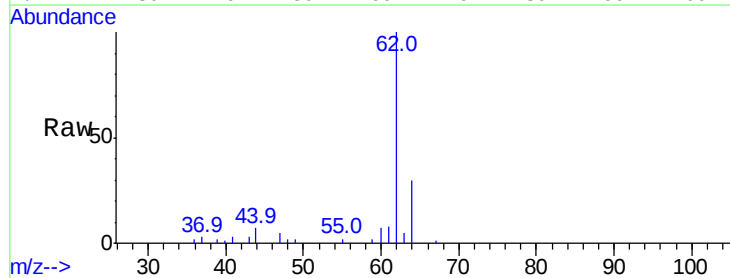


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

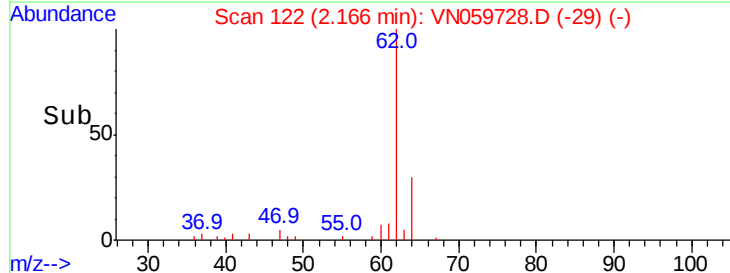
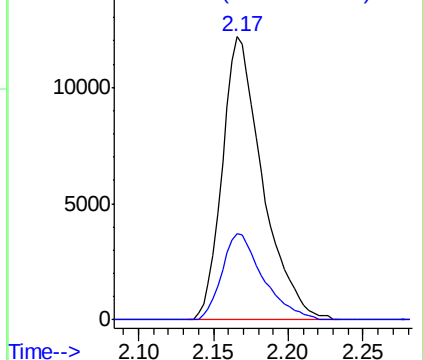


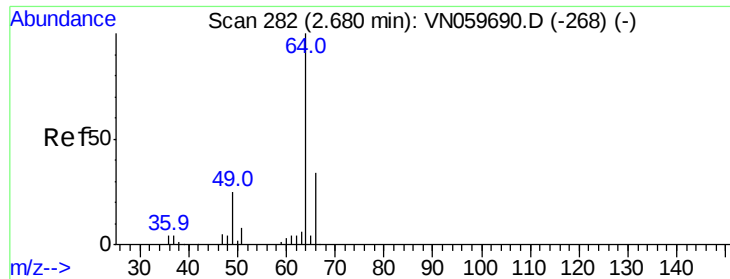
#4
Vinyl Chloride
Concen: 9.302 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 62 Resp: 22804
Ion Ratio Lower Upper
62 100
64 30.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#6

Chloroethane

Concen: 0.259 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.12 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

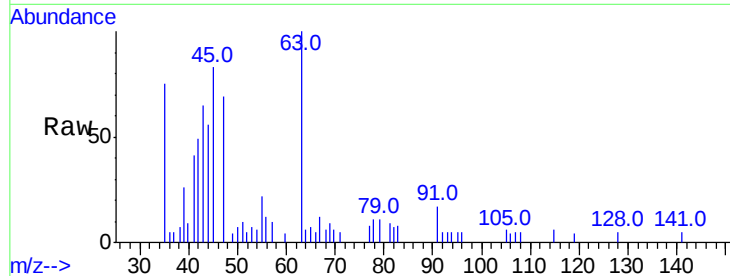
WP022SB457_200113_28-30ME

Tgt Ion: 64 Resp: 300

Ion Ratio Lower Upper

64 100

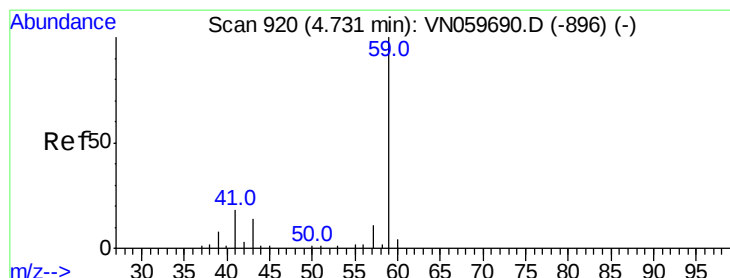
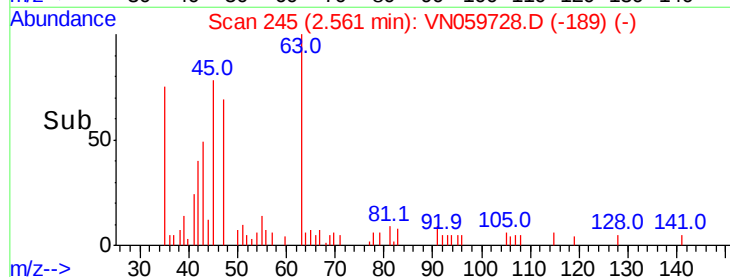
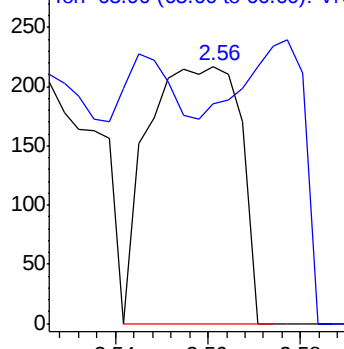
66 0.0 25.1 37.7#



Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 3.647 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.04 min

Lab File: VN059728.D

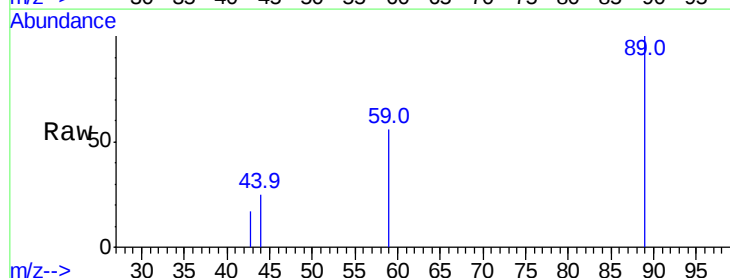
Acq: 16 Jan 2020 13:44

Tgt Ion: 59 Resp: 1276

Ion Ratio Lower Upper

59 100

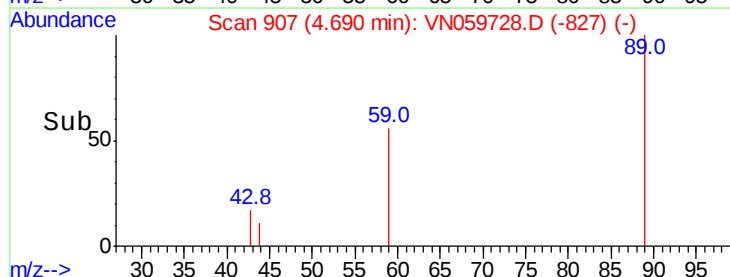
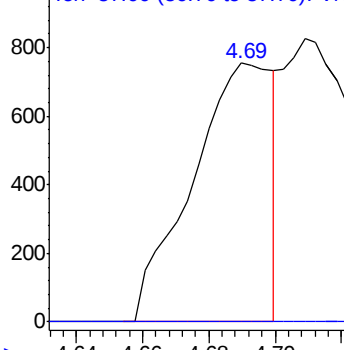
57 0.0 8.6 12.8#

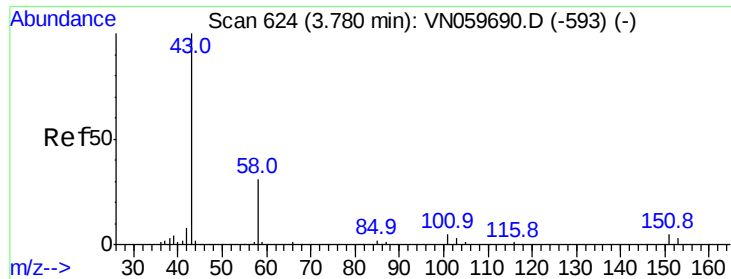


Abundance

Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 631

Delta R.T. 0.02 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

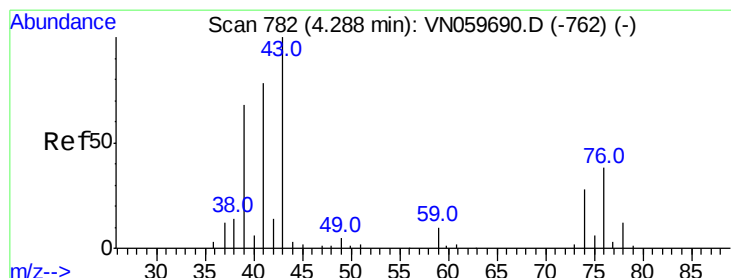
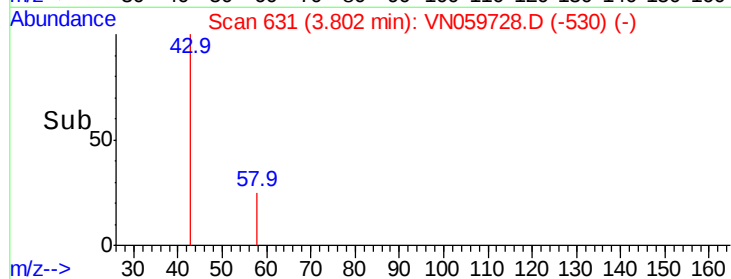
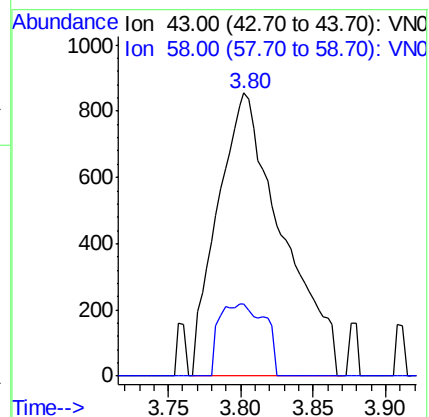
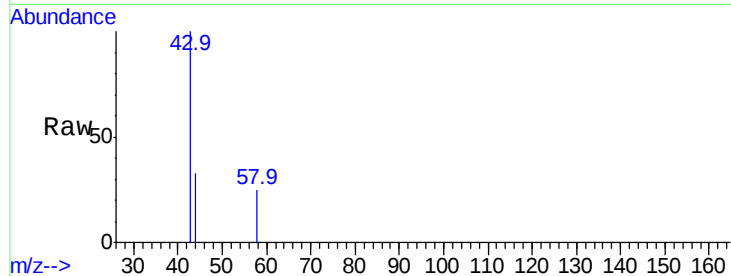
WP022SB457_200113_28-30ME

Tgt Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

58 25.4 23.6 35.4



#18

Methyl Acetate

Concen: 0.351 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.02 min

Lab File: VN059728.D

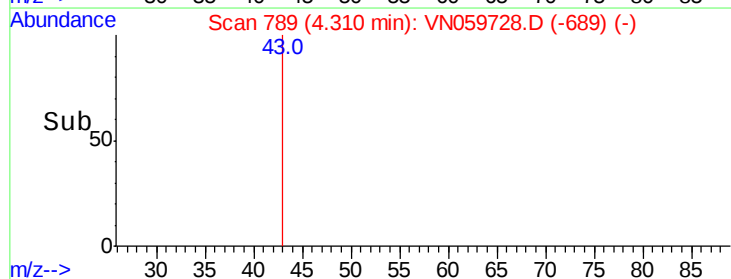
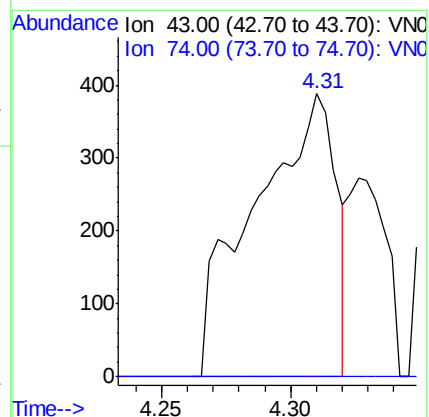
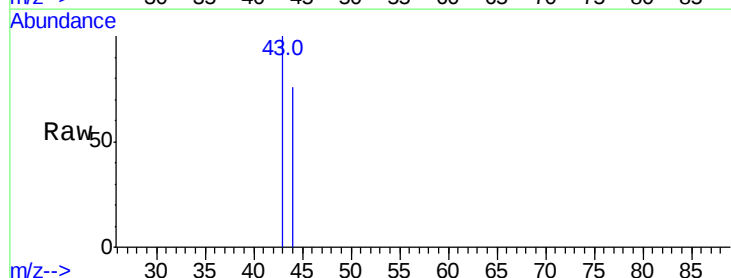
Acq: 16 Jan 2020 13:44

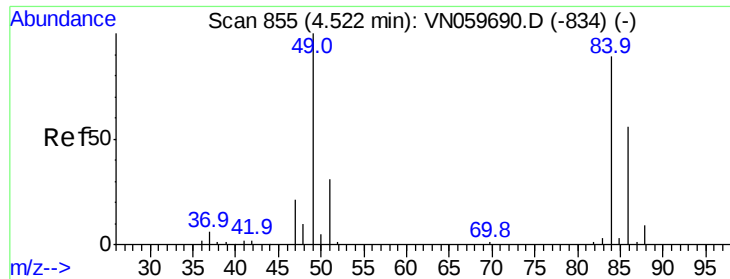
Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#

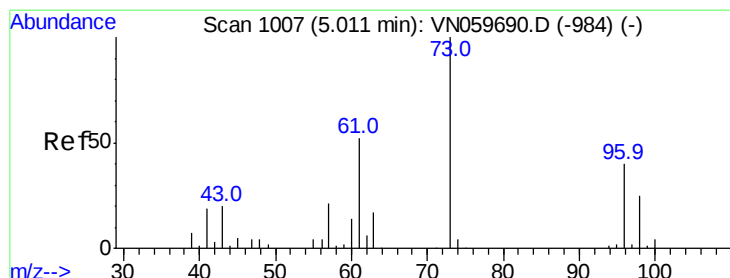
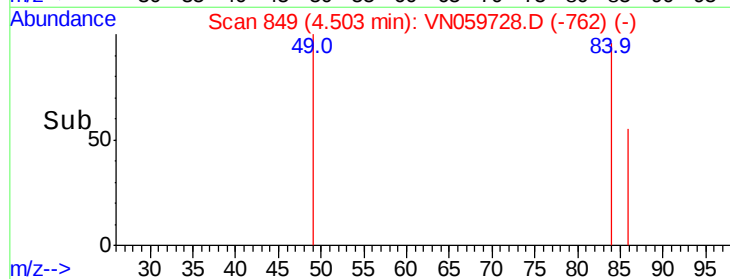
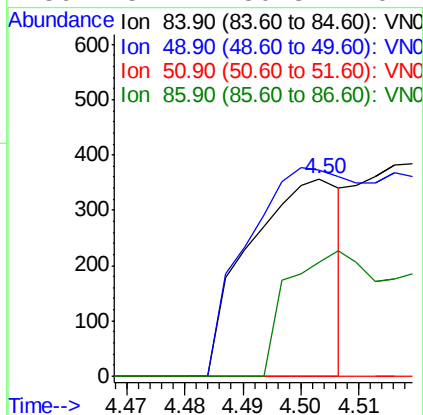
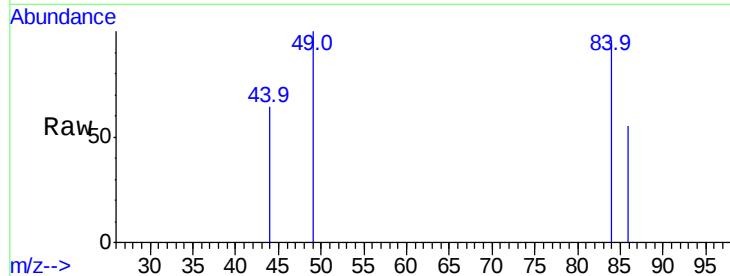




#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. -0.02 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

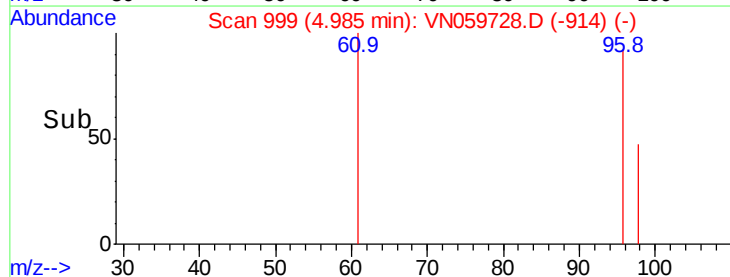
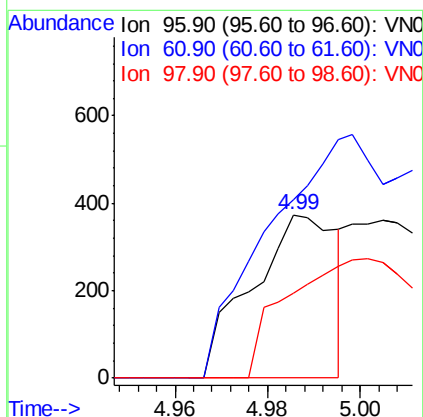
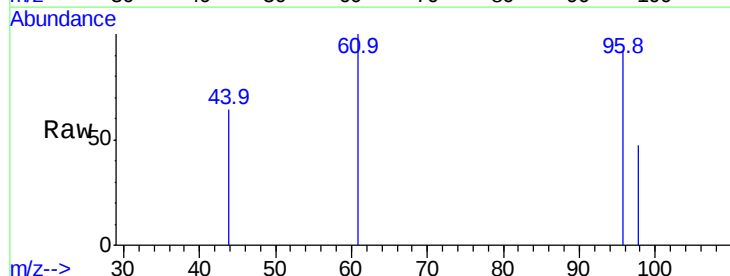
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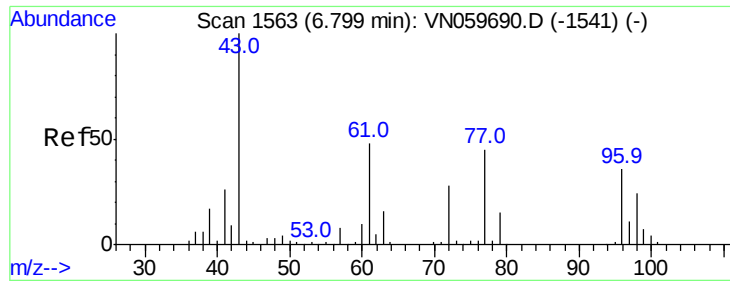
Tgt Ion:	84	Resp:	391
Ion	Ratio	Lower	Upper
84	100		
49	104.5	106.6	160.0#
51	0.0	31.9	47.9#
86	57.4	50.8	76.2



#21
trans-1,2-Dichloroethene
Concen: 0.262 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.03 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion:	96	Resp:	476
Ion	Ratio	Lower	Upper
96	100		
61	108.8	120.4	180.6#
98	51.6	50.6	75.8

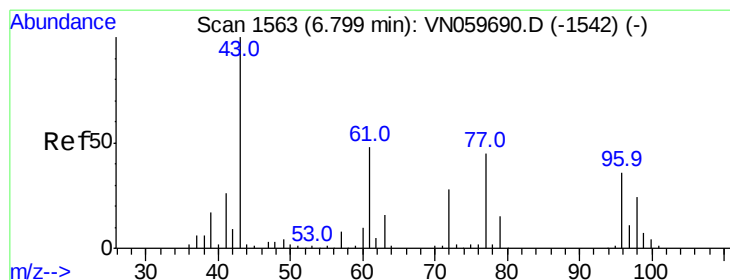
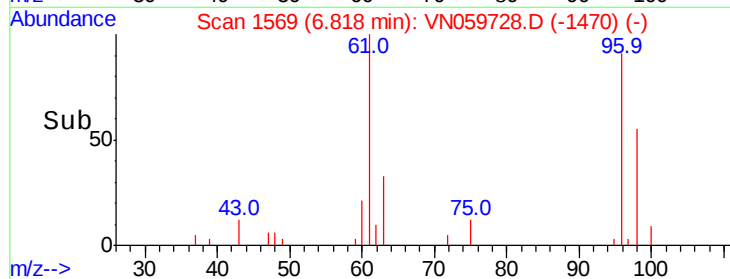
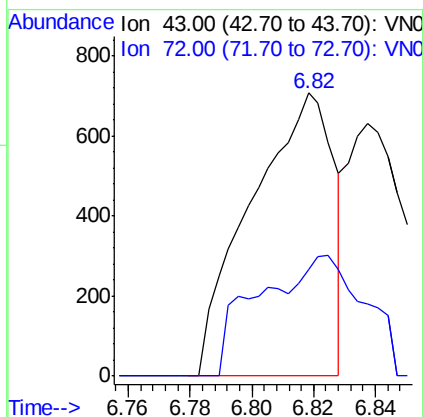
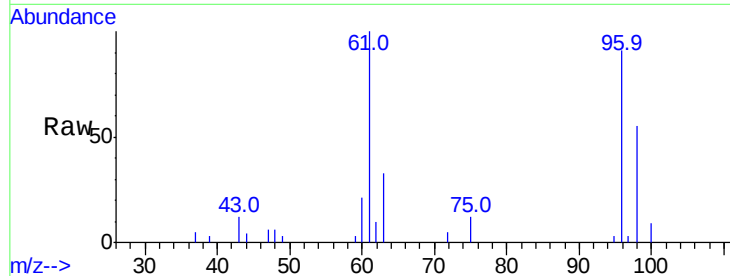




#25
2-Butanone
Concen: 1.111 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

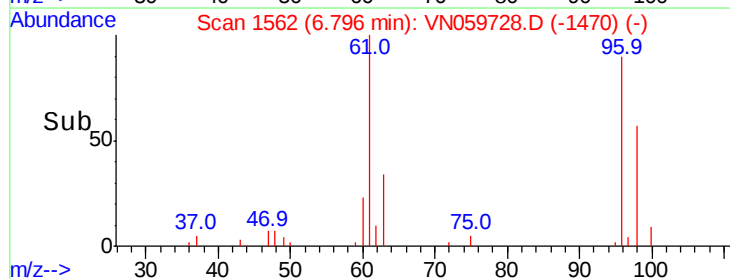
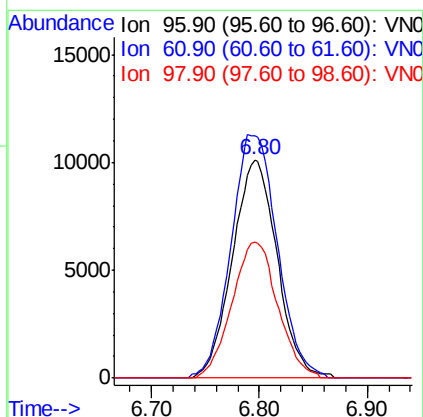
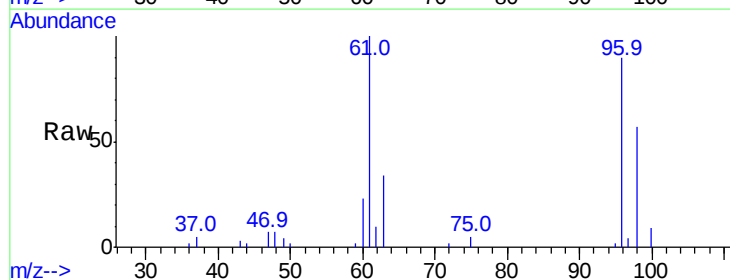
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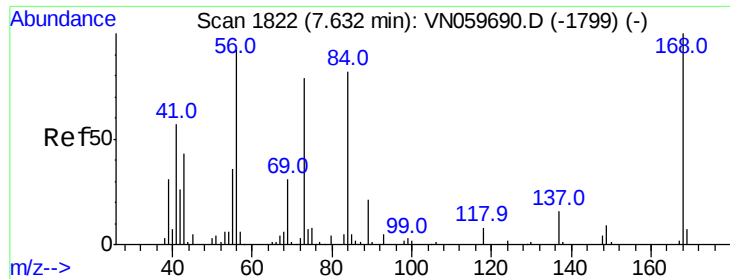
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
72 37.6 19.9 29.9#



#27
cis-1,2-Dichloroethene
Concen: 13.936 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 96 Resp: 29174
Ion Ratio Lower Upper
96 100
61 115.8 0.0 317.6
98 63.8 0.0 127.0

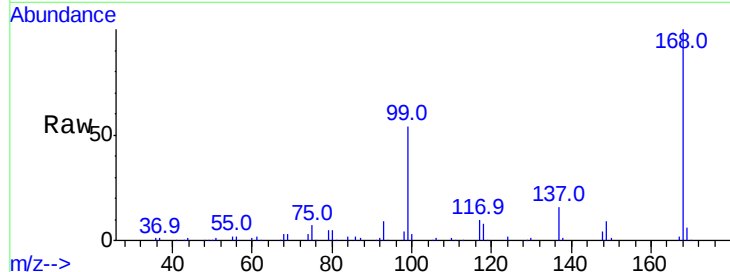




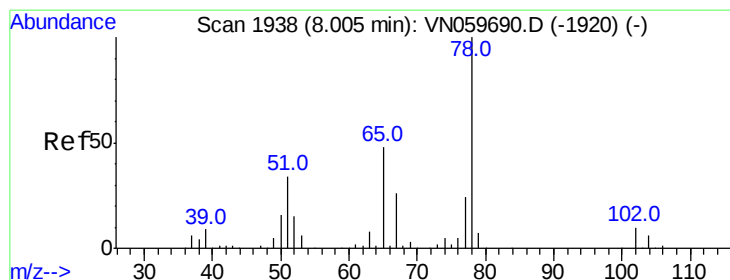
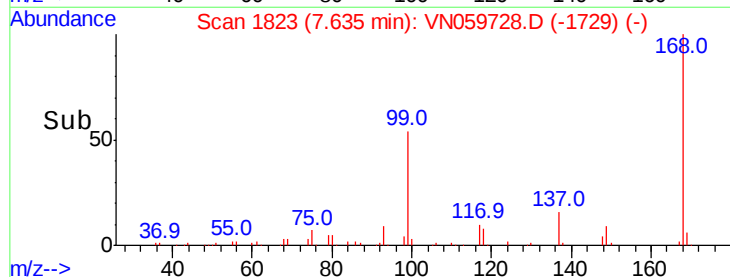
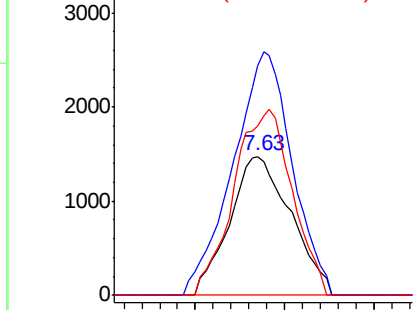
#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion: 56 Resp: 3513
Ion Ratio Lower Upper
56 100
69 165.2 26.5 39.7#
84 121.9 65.3 97.9#

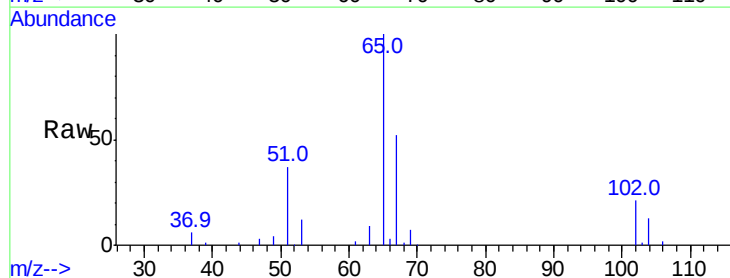


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

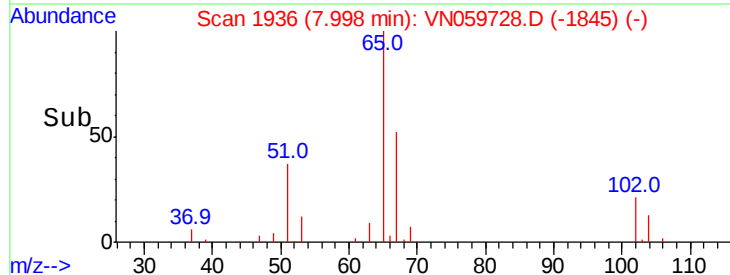
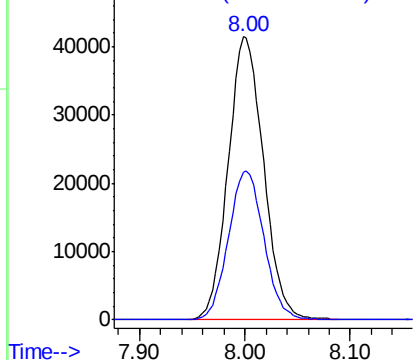


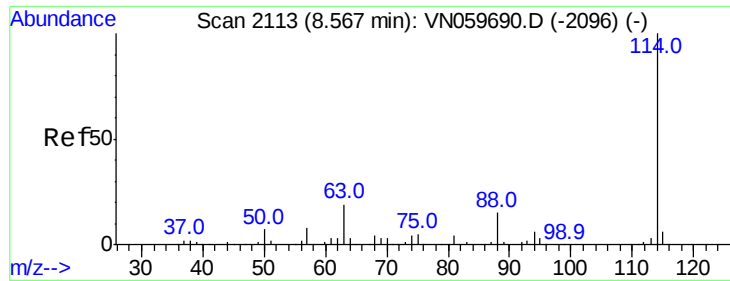
#33
1,2-Dichloroethane-d4
Concen: 46.429 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 65 Resp: 96495
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0



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

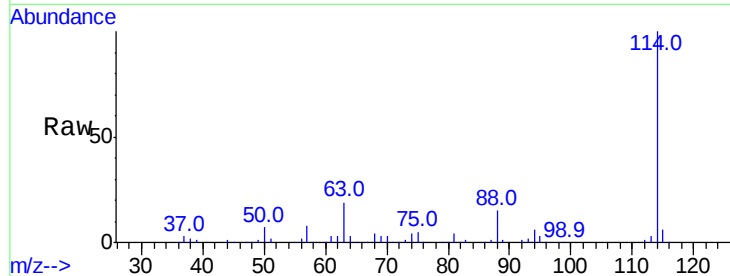




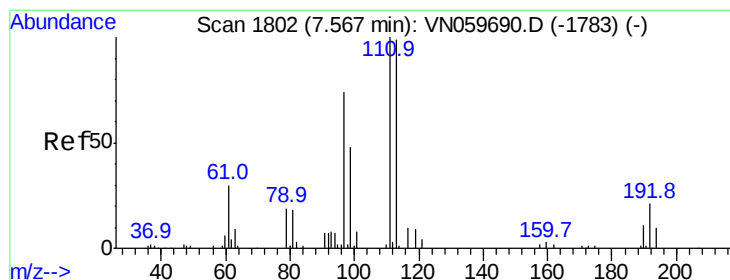
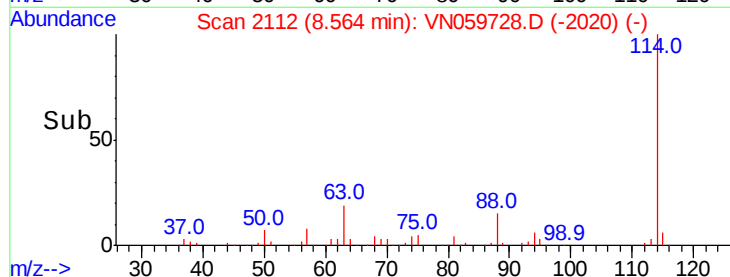
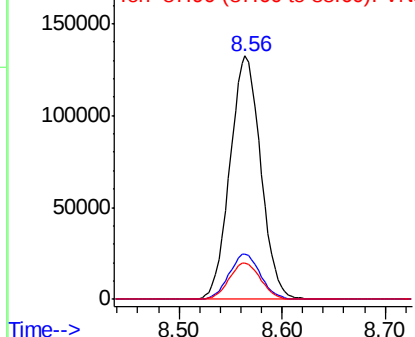
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion:114 Resp: 275867
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.6
88 15.1 0.0 31.4

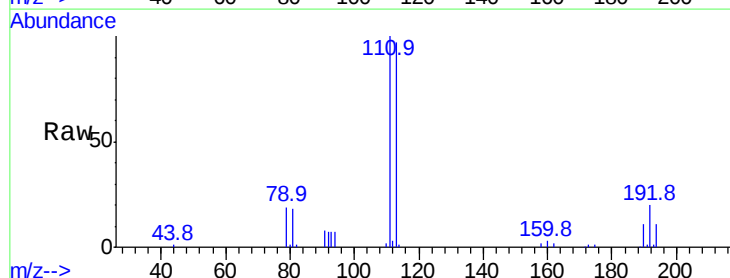


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

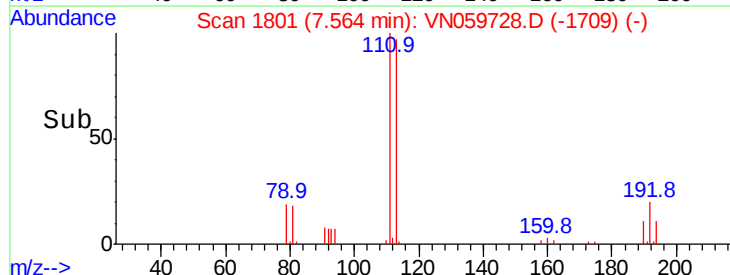
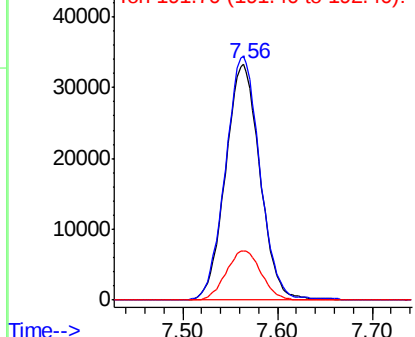


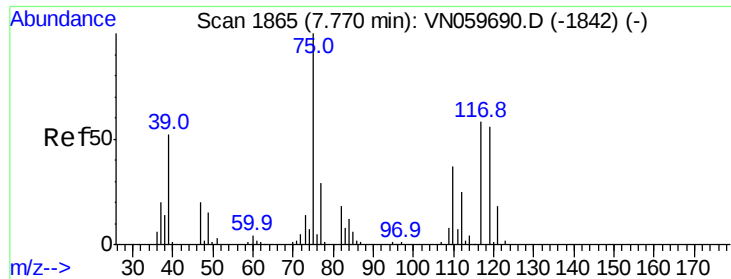
#35
Dibromofluoromethane
Concen: 51.162 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion:113 Resp: 84167
Ion Ratio Lower Upper
113 100
111 103.6 83.5 125.3
192 21.1 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

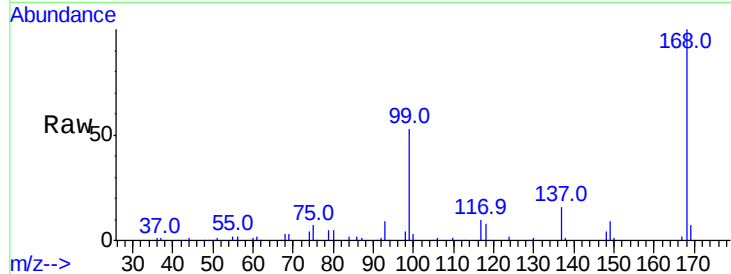




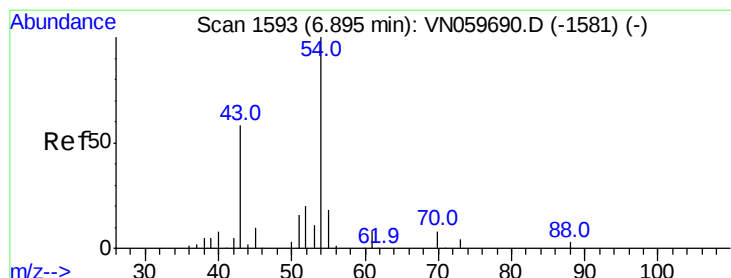
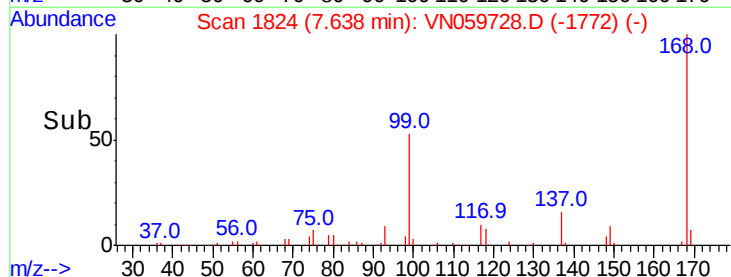
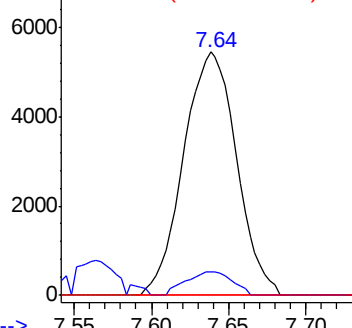
#36
 1,1-Dichloropropene
 Concen: 5.392 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059728.D
 Acq: 16 Jan 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB457_200113_28-30ME

Tgt Ion: 75 Resp: 12954
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.7#
 77 0.0 25.1 37.7#

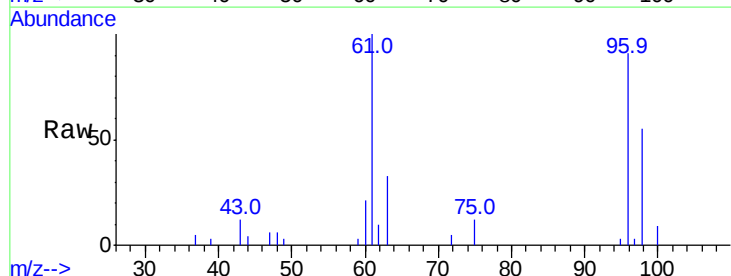


Abundance Ion 74.90 (74.60 to 75.60): VNC
 Ion 109.90 (109.60 to 110.60): VNC
 Ion 76.90 (76.60 to 77.60): VNC

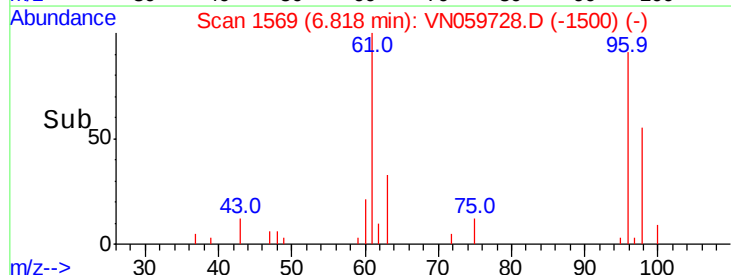
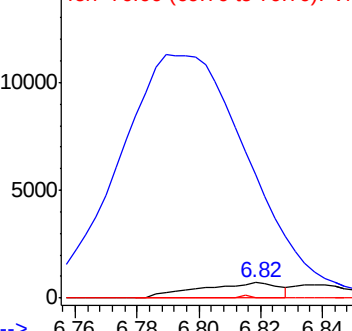


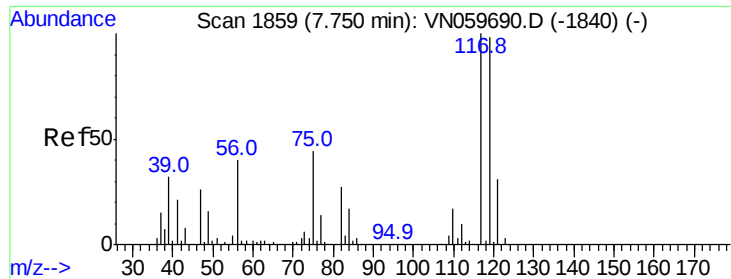
#37
 Ethyl Acetate
 Concen: 0.581 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN059728.D
 Acq: 16 Jan 2020 13:44

Tgt Ion: 43 Resp: 1308
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 2.2 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VNC
 Ion 60.90 (60.60 to 61.60): VNC
 Ion 70.00 (69.70 to 70.70): VNC

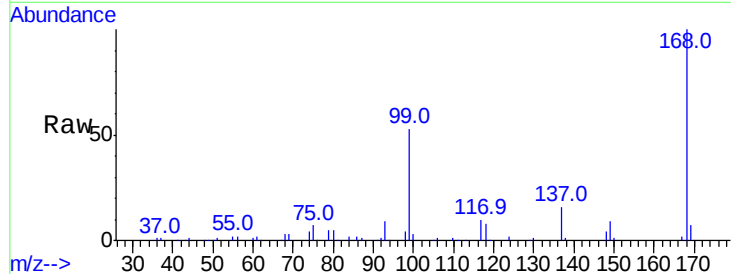




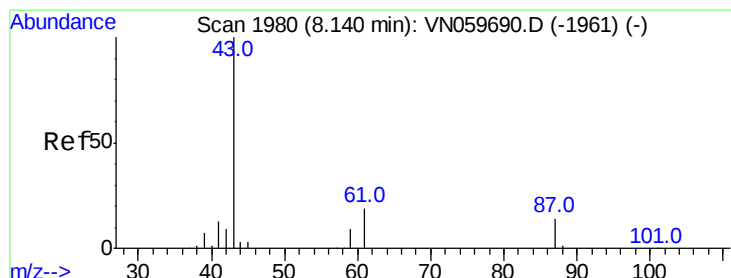
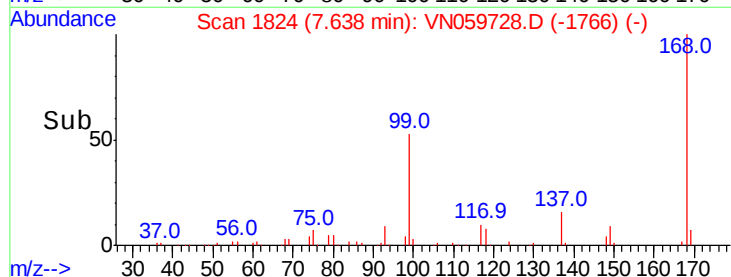
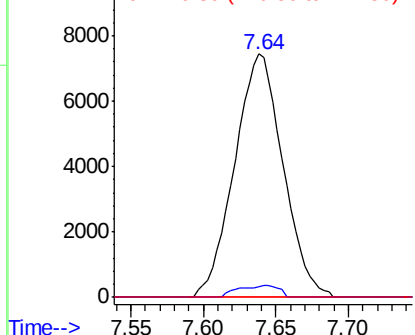
#38
Carbon Tetrachloride
Concen: 6.612 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion: 117 Resp: 17279
Ion Ratio Lower Upper
117 100
119 4.2 76.5 114.7#
121 0.0 25.1 37.7#

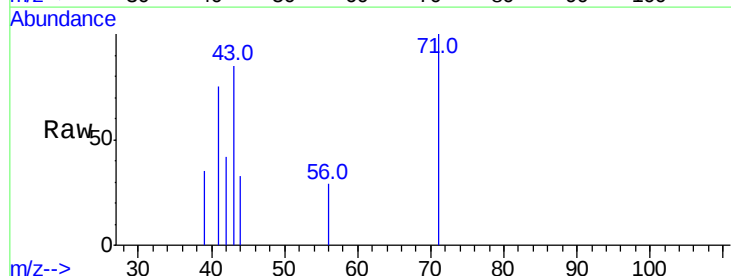


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

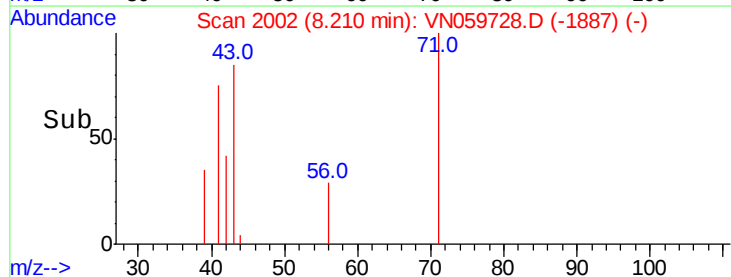
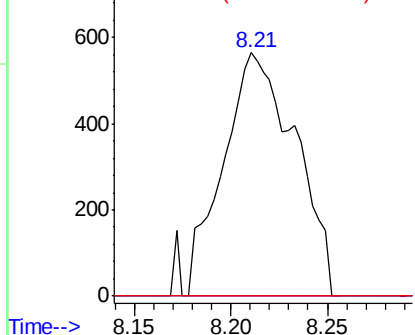


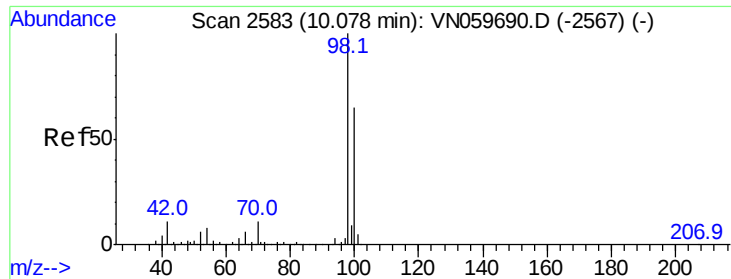
#43
Isopropyl Acetate
Concen: 0.379 ug/l
RT: 8.21 min Scan# 2002
Delta R.T. 0.07 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 9.5 14.3#



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





#50

Toluene-d8

Concen: 49.381 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

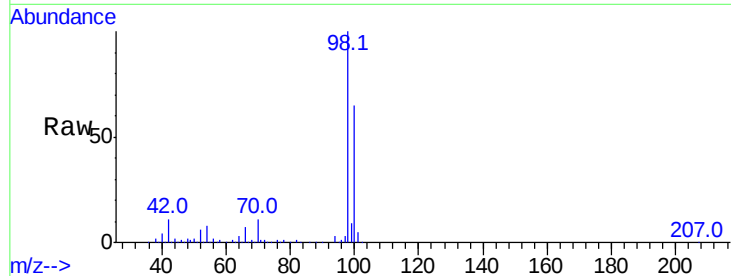
WP022SB457_200113_28-30ME

Tgt Ion: 98 Resp: 314758

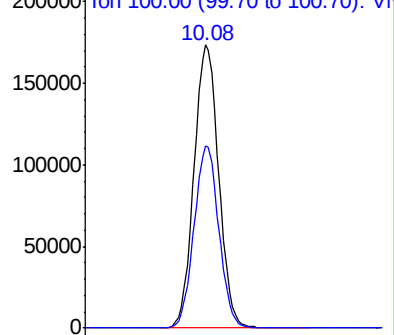
Ion Ratio Lower Upper

98 100

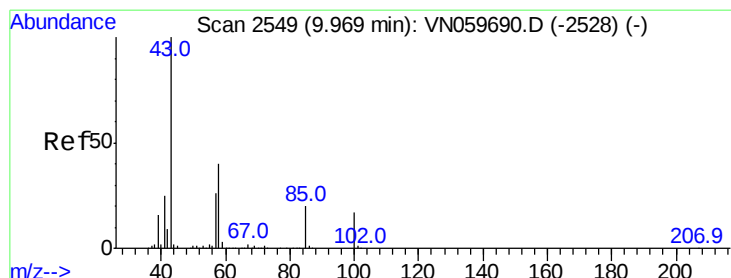
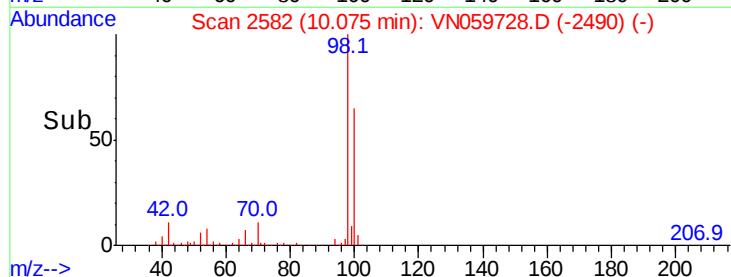
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059728.D (-2490) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN059728.D

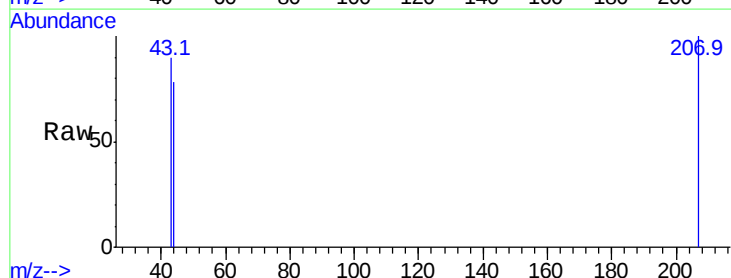
Acq: 16 Jan 2020 13:44

Tgt Ion: 43 Resp: 542

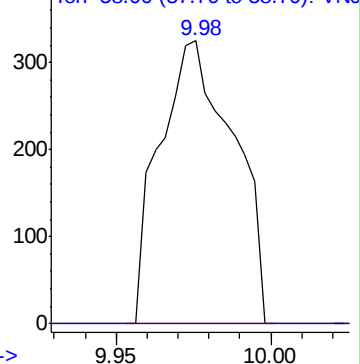
Ion Ratio Lower Upper

43 100

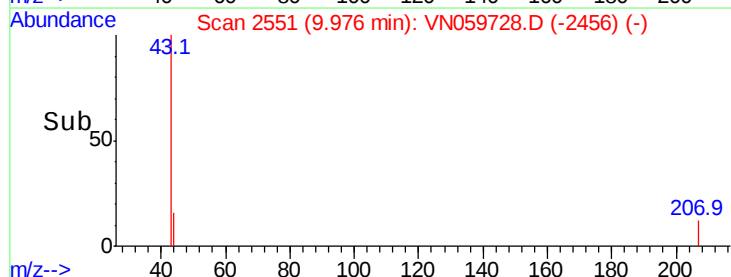
58 0.0 29.8 44.8#

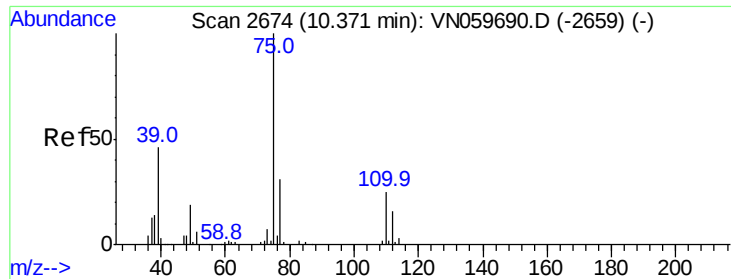


Abundance Ion 43.00 (42.70 to 43.70): VN059728.D (-2456) (-)



Time-->





#53

t-1,3-Dichloropropene

Concen: 1.162 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.14 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

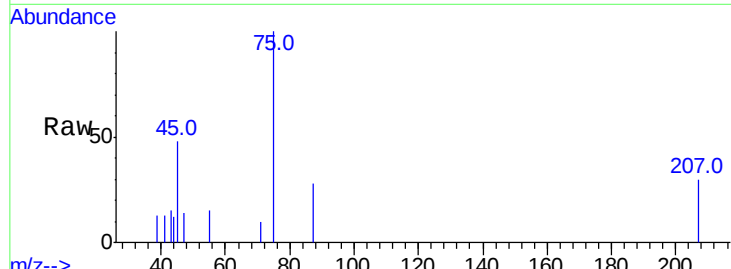
WP022SB457_200113_28-30ME

Tgt Ion: 75 Resp: 3269

Ion Ratio Lower Upper

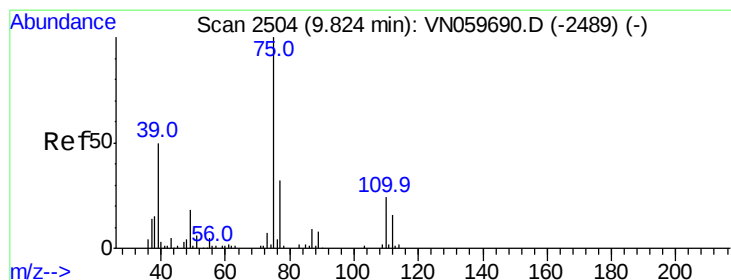
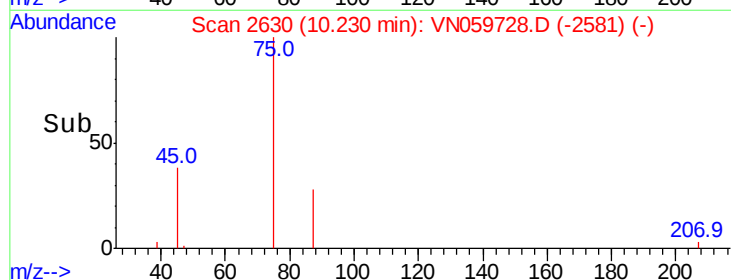
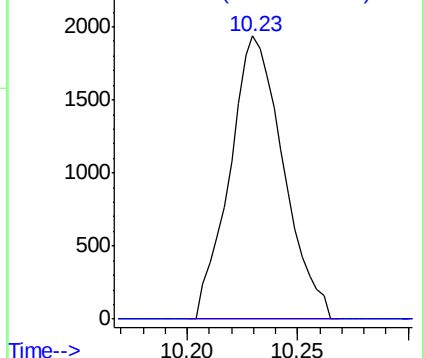
75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.573 ug/l

RT: 9.58 min Scan# 2427

Delta R.T. -0.25 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

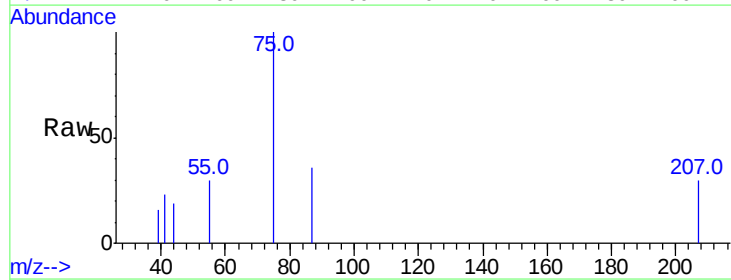
Tgt Ion: 75 Resp: 1697

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

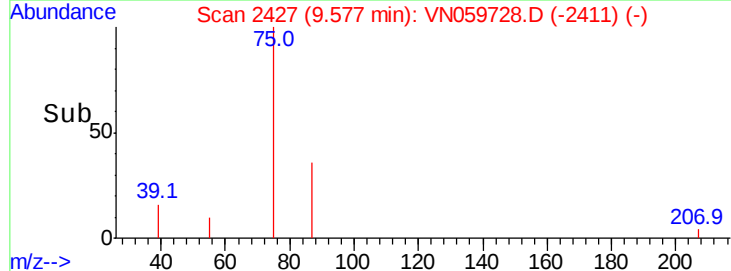
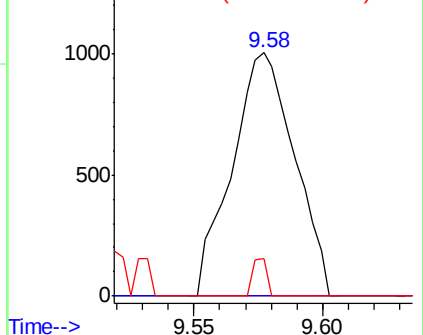
39 15.5 46.1 69.1#

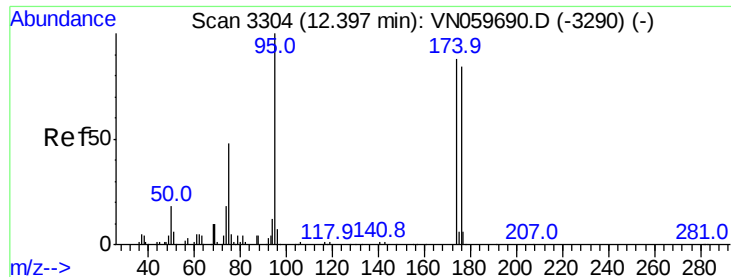


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

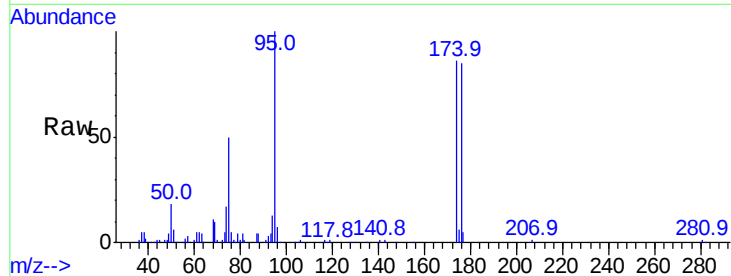




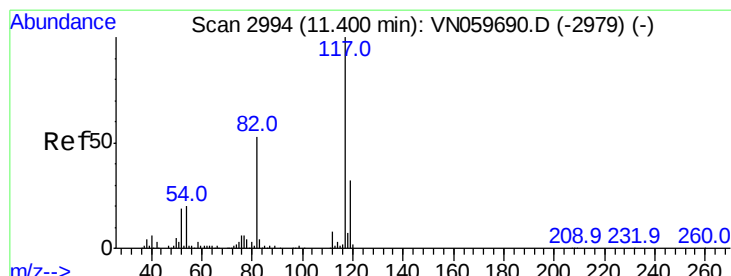
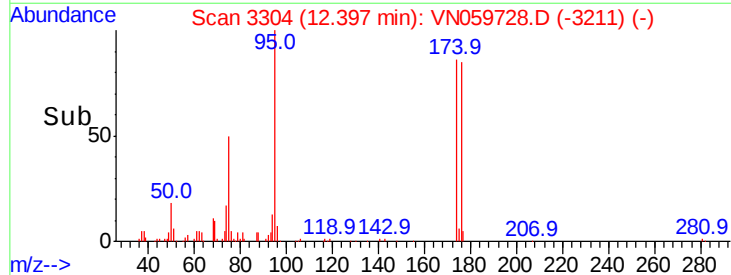
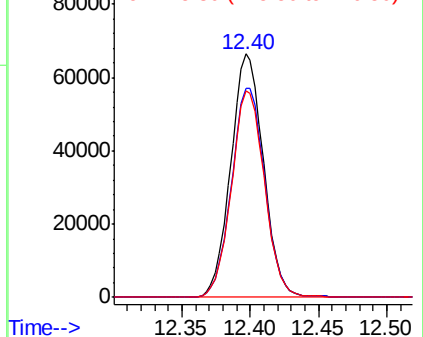
#62
4-Bromofluorobenzene
Concen: 48.249 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion: 95 Resp: 110867
Ion Ratio Lower Upper
95 100
174 87.5 0.0 151.4
176 85.6 0.0 146.0

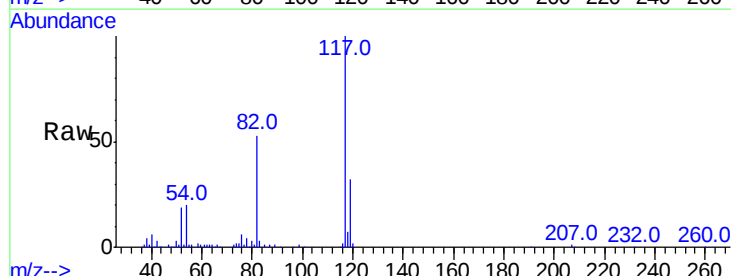


Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059690.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059690.D (-3290) (-)

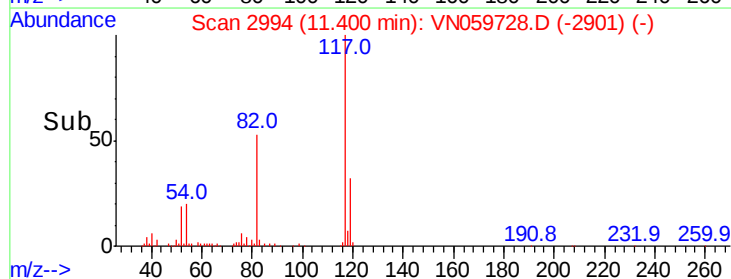
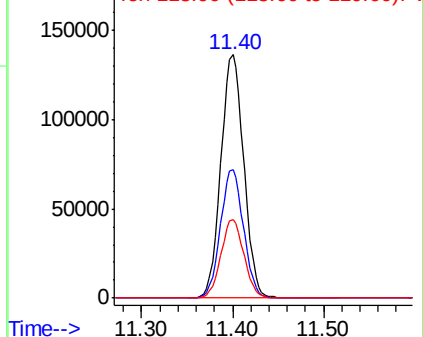


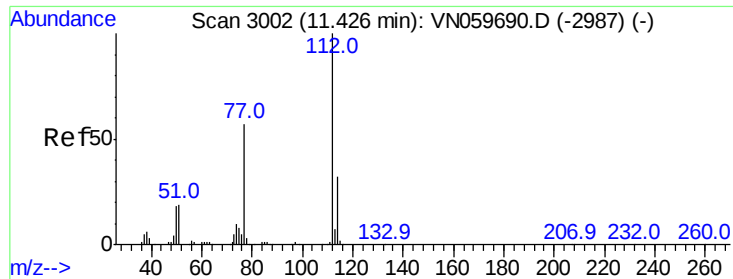
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 117 Resp: 239288
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059690.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059690.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059690.D (-2979) (-)

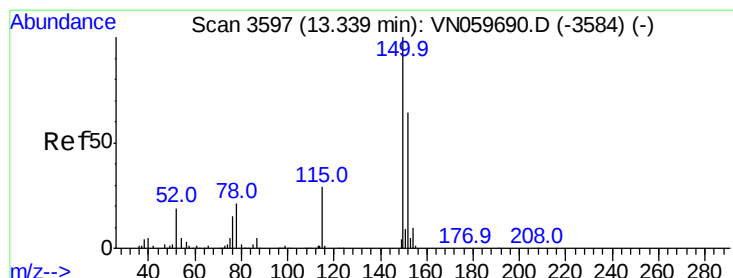
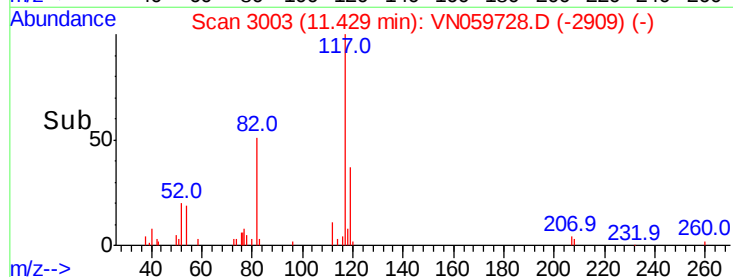
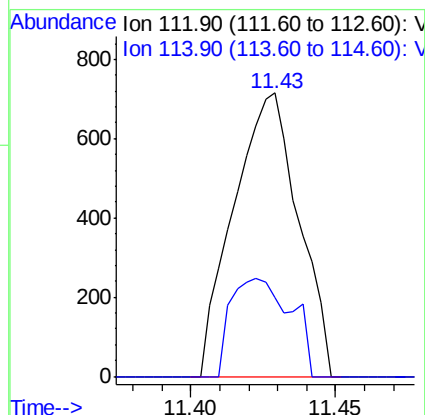
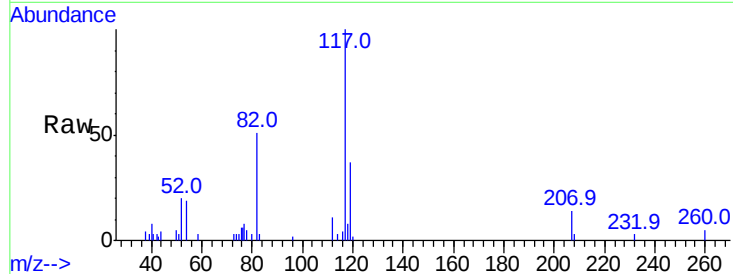




#65
Chlorobenzene
Concen: 0.237 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

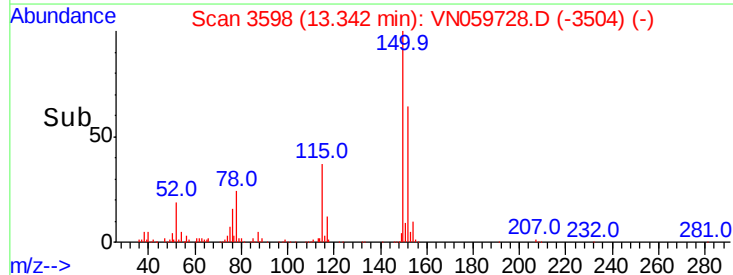
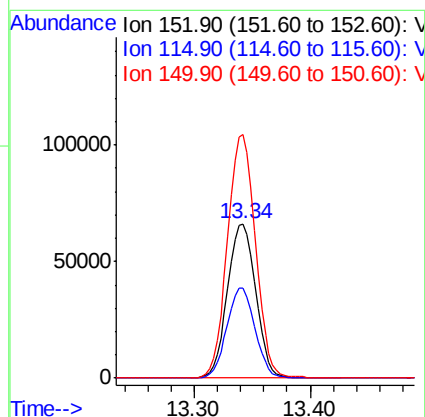
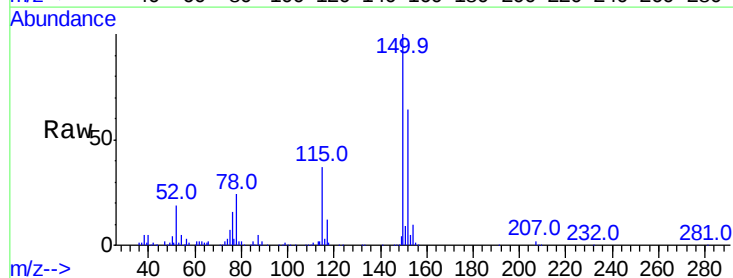
Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

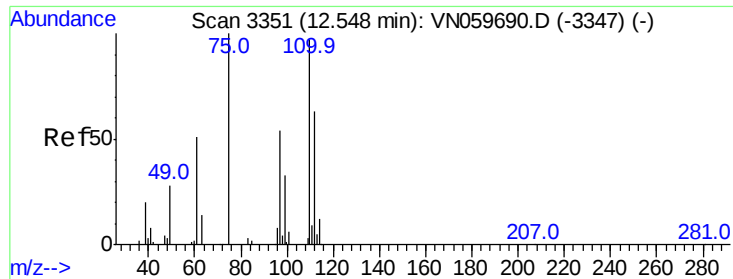
Tgt Ion:112 Resp: 1113
Ion Ratio Lower Upper
112 100
114 27.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion:152 Resp: 111853
Ion Ratio Lower Upper
152 100
115 58.4 30.3 90.9
150 156.6 0.0 345.2

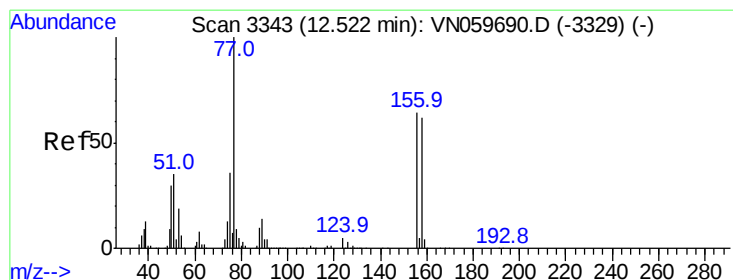
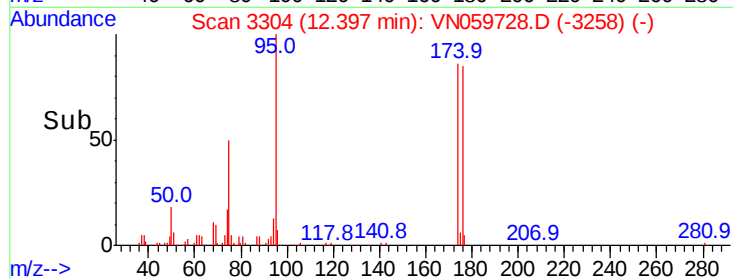
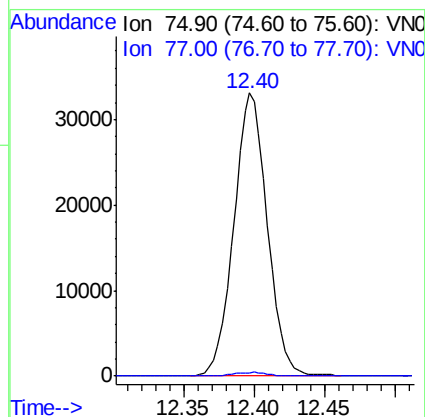
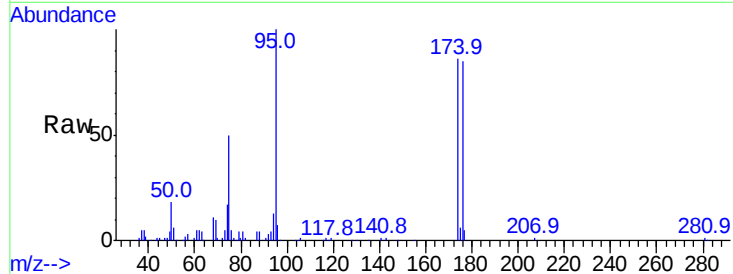




#76
1,2,3-Trichloropropane
Concen: 29.128 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

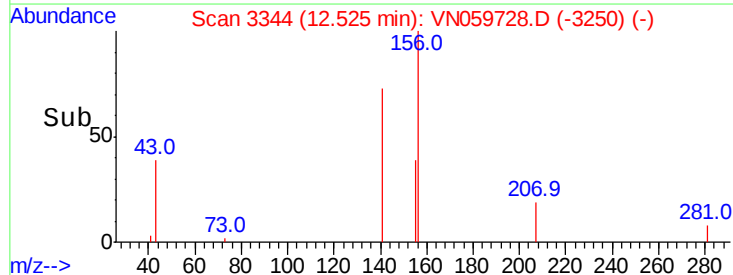
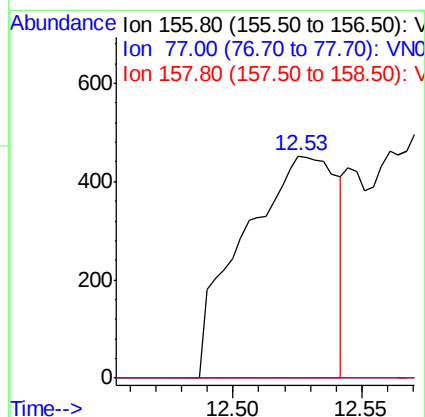
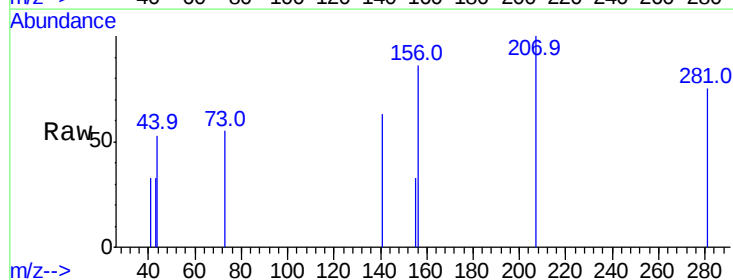
Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

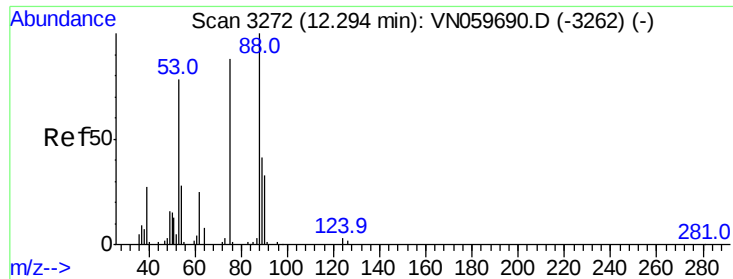
Tgt Ion: 75 Resp: 54830
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#77
Bromobenzene
Concen: 0.547 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN059728.D
Acq: 16 Jan 2020 13:44

Tgt Ion: 156 Resp: 1136
Ion Ratio Lower Upper
156 100
77 0.0 115.8 347.4#
158 0.0 49.2 147.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.553 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

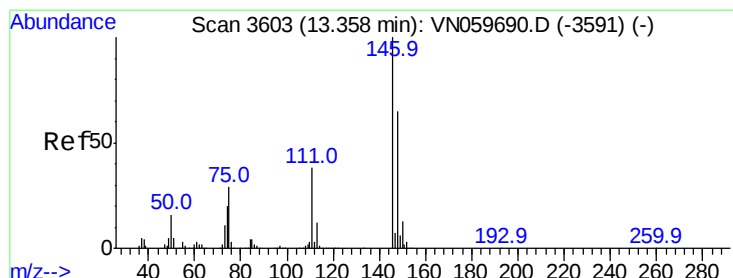
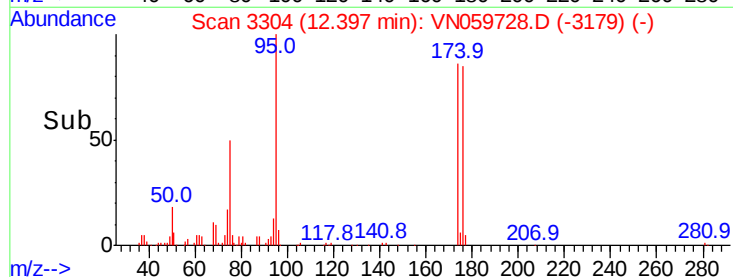
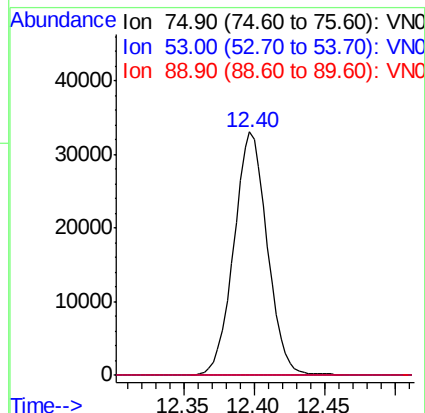
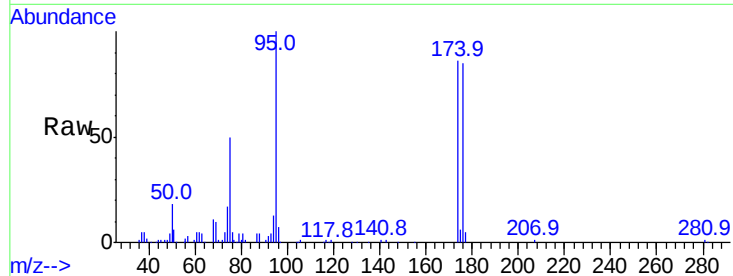
Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
WP022SB457_200113_28-30ME

Tgt Ion: 75 Resp: 54830

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.1	117.1#
89	0.0	35.4	53.2#



#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.36 min Scan# 3604

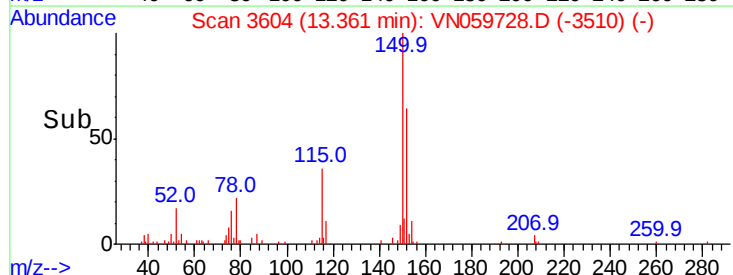
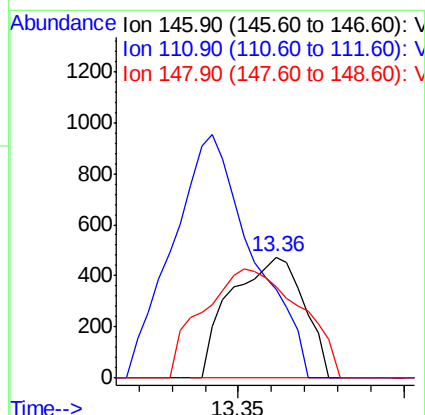
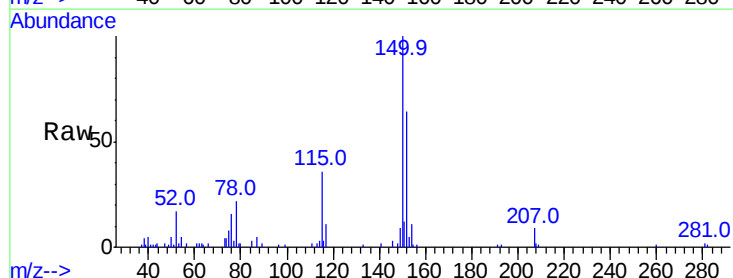
Delta R.T. 0.00 min

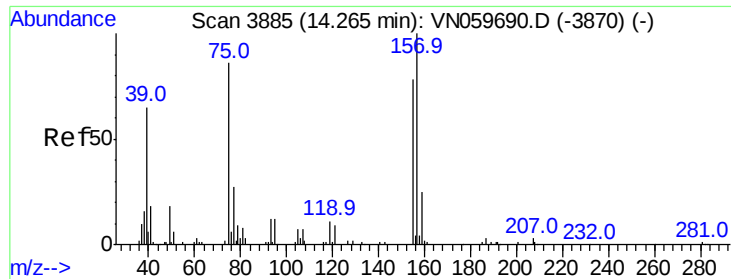
Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Tgt Ion: 146 Resp: 723

Ion	Ratio	Lower	Upper
146	100		
111	220.5	20.8	62.2#
148	120.7	31.8	95.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN059728.D

Acq: 16 Jan 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

WP022SB457_200113_28-30ME

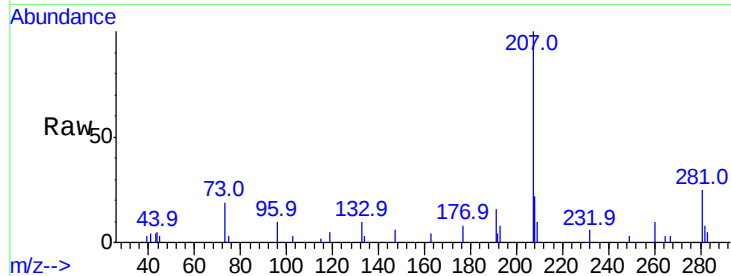
Tgt Ion: 75 Resp: 300

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

