

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011620\
 Data File : VN059729.D
 Acq On : 16 Jan 2020 14:08
 Operator : JC/MD
 Sample : L1136-10ME
 Misc : 5.27g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB458_200113_23-25ME

Quant Time: Jan 17 04:36:39 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

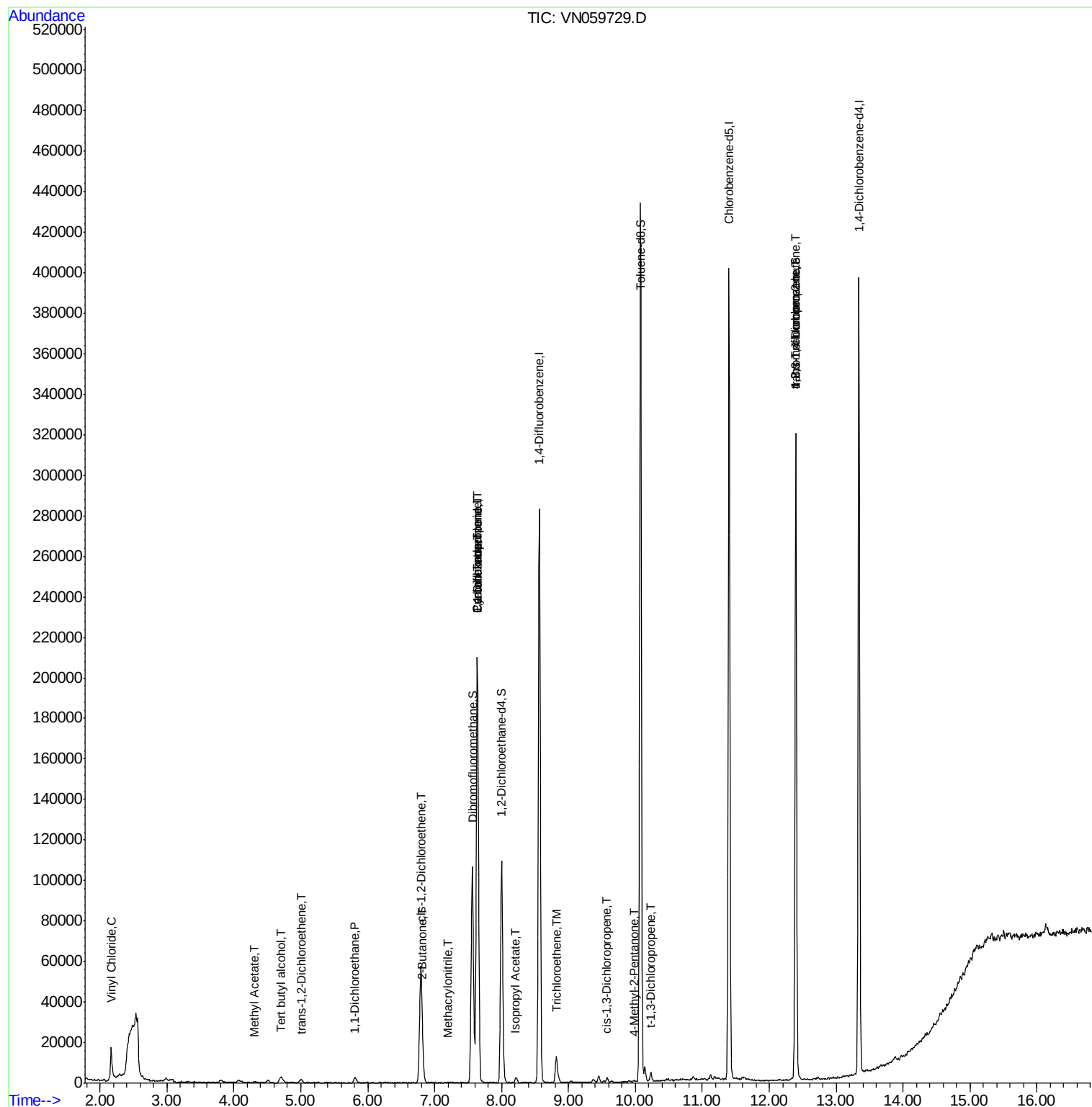
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	266836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	233067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108742	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	94275	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.56	113	80171	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.08	98	304984	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	106876	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.17	62	14885	6.294	ug/l	93
11) Tert butyl alcohol	4.71	59	3247	9.620	ug/l #	72
16) Acetone	3.79	43	3055	Below Cal	#	85
18) Methyl Acetate	4.31	43	645	0.275	ug/l #	54
20) Methylene Chloride	4.52	84	860	Below Cal		93
21) trans-1,2-Dichloroethene	5.00	96	1290	0.735	ug/l	80
24) 1,1-Dichloroethane	5.81	63	4639	1.505	ug/l #	85
25) 2-Butanone	6.83	43	2169	1.910	ug/l	92
27) cis-1,2-Dichloroethene	6.80	96	39313	19.467	ug/l	77
31) Cyclohexane	7.63	56	3576	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12136	5.223	ug/l #	50
38) Carbon Tetrachloride	7.64	117	16700	6.607	ug/l #	15
41) Methacrylonitrile	7.19	41	223	0.208	ug/l #	100
43) Isopropyl Acetate	8.21	43	1197	0.319	ug/l #	56
44) Trichloroethene	8.82	130	4959	2.621	ug/l	89
51) 4-Methyl-2-Pentanone	9.98	43	518	0.239	ug/l #	38
53) t-1,3-Dichloropropene	10.23	75	3153	1.158	ug/l #	43
54) cis-1,3-Dichloropropene	9.58	75	1503	0.525	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	53155	29.046	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	53155	62.377	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	678	Below Cal	#	6

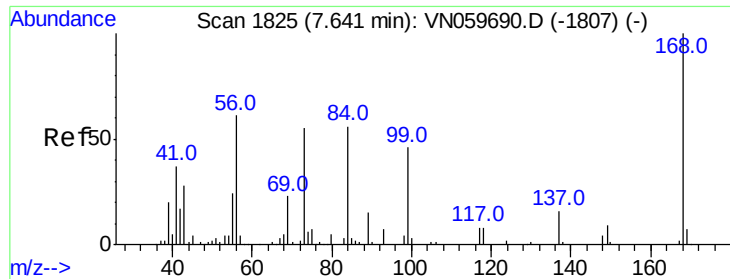
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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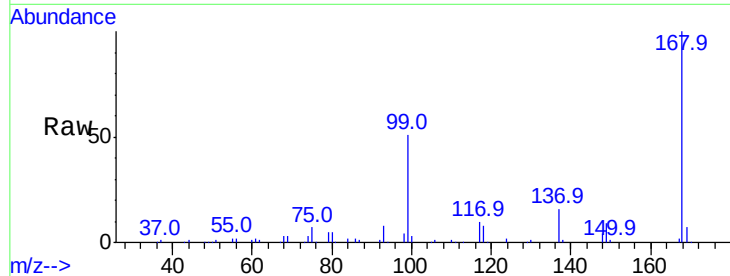




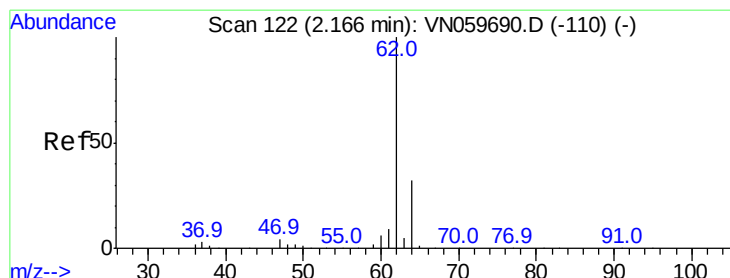
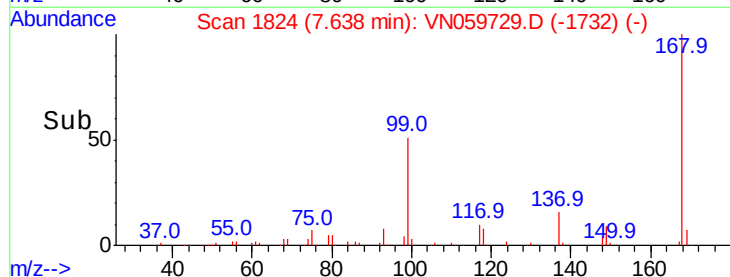
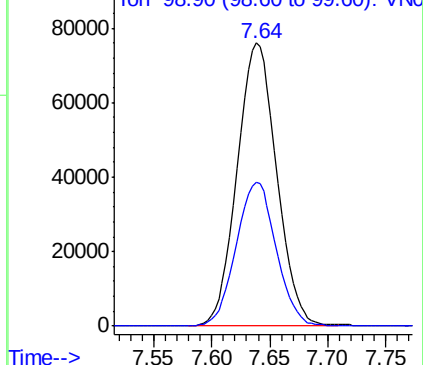
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

Tgt Ion: 168 Resp: 180538
Ion Ratio Lower Upper
168 100
99 50.9 48.2 72.4

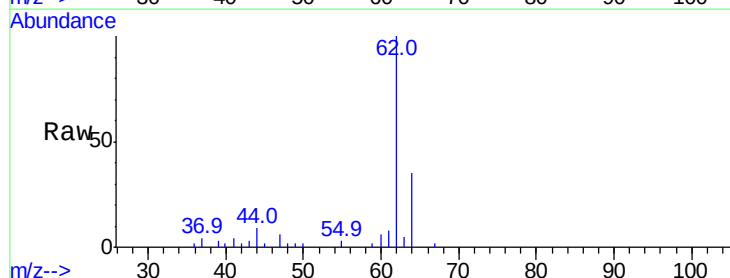


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0

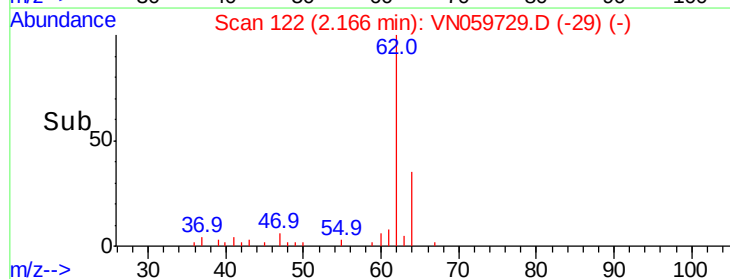
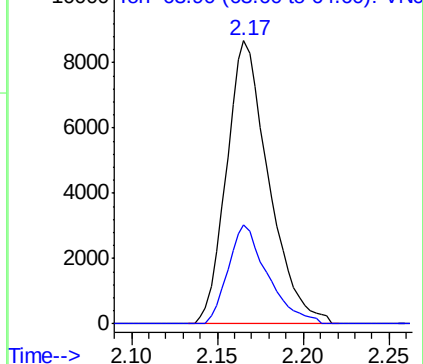


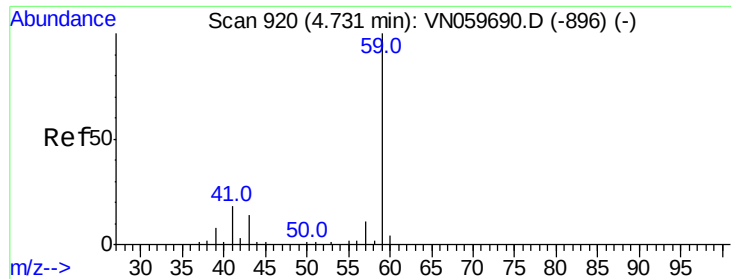
#4
Vinyl Chloride
Concen: 6.294 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 62 Resp: 14885
Ion Ratio Lower Upper
62 100
64 34.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 63.90 (63.60 to 64.60): VN0

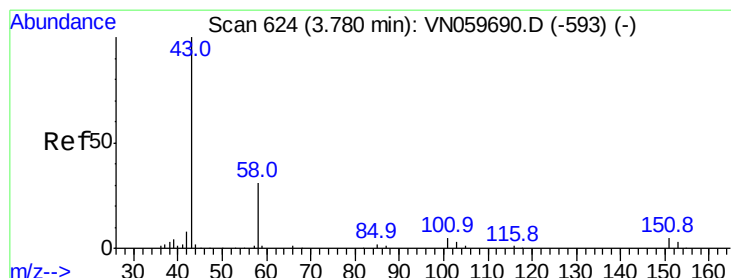
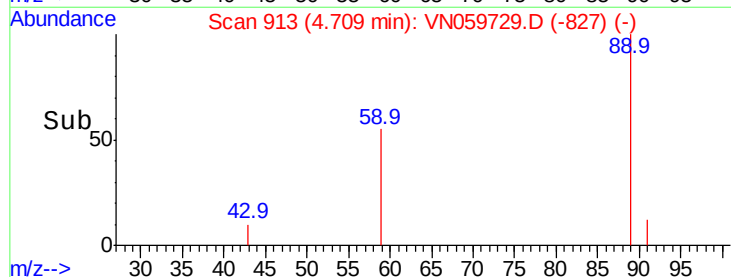
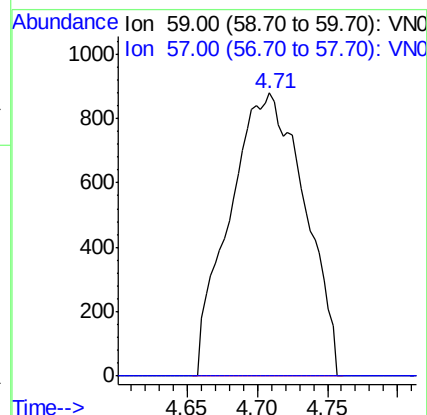
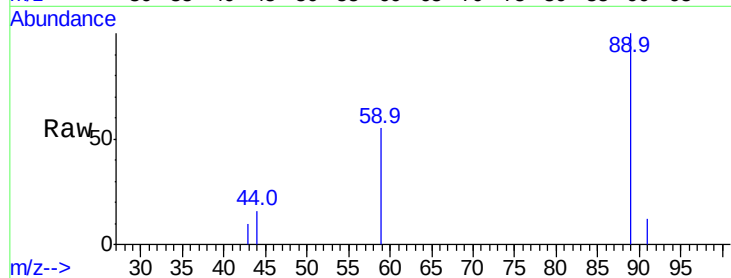




#11
Tert butyl alcohol
Concen: 9.620 ug/l
RT: 4.71 min Scan# 913
Delta R.T. -0.02 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

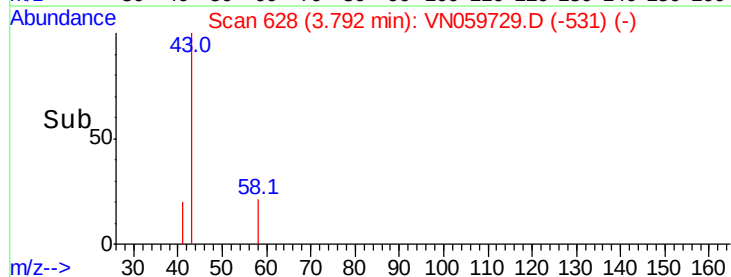
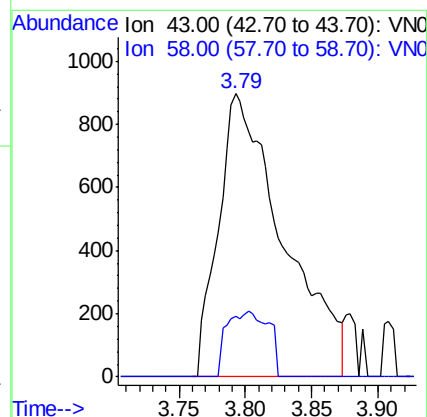
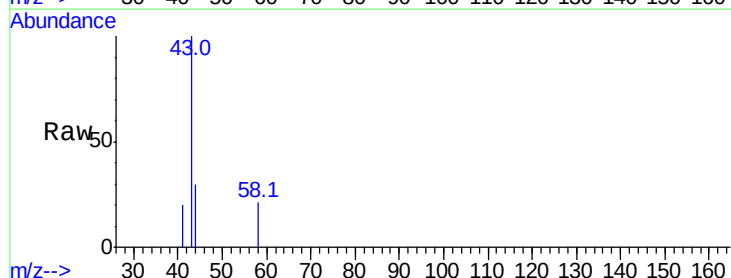
Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

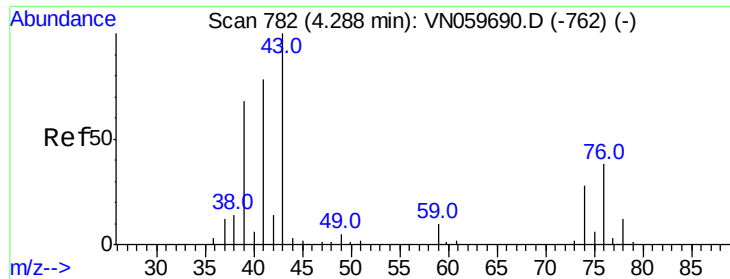
Tgt Ion: 59 Resp: 3247
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 43 Resp: 3055
Ion Ratio Lower Upper
43 100
58 21.4 23.6 35.4#

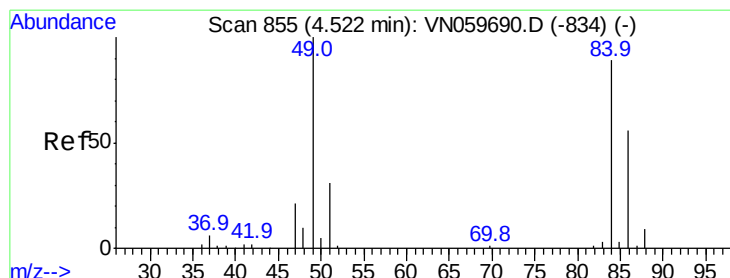
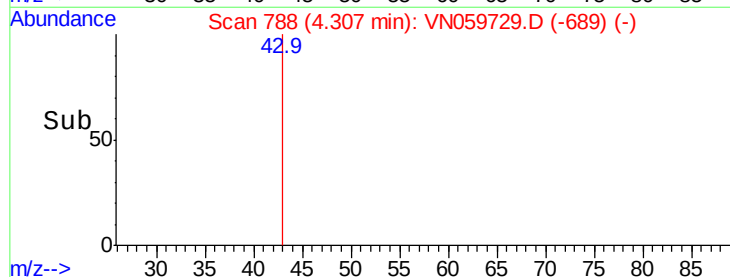
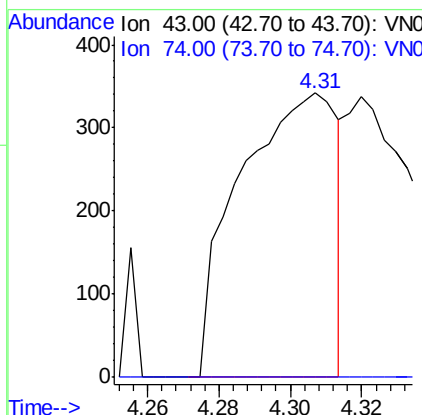
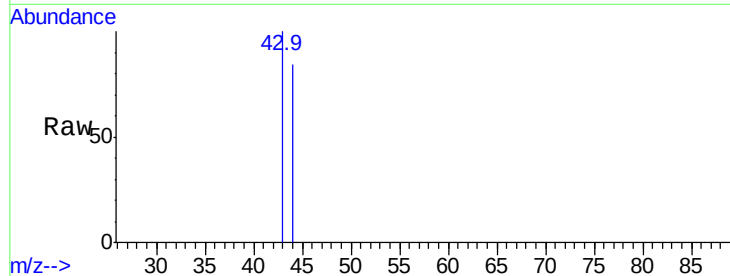




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

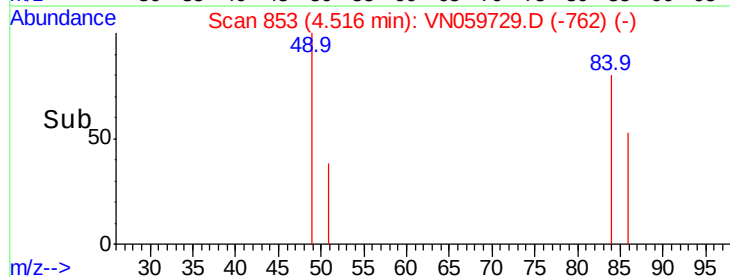
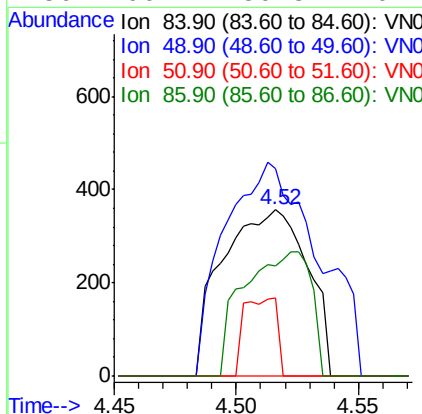
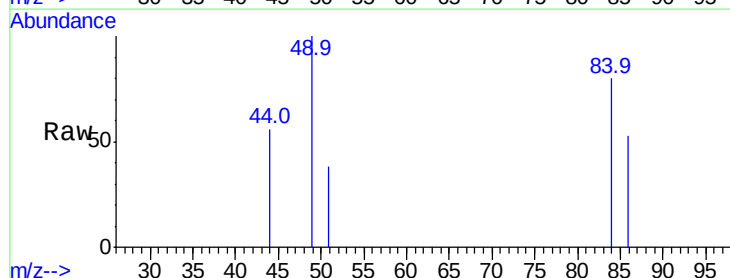
Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

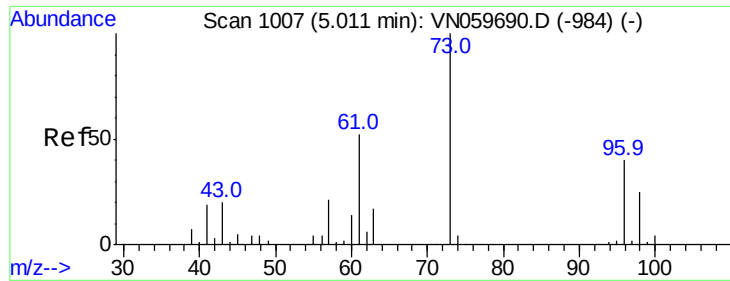
Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 84 Resp: 860
Ion Ratio Lower Upper
84 100
49 124.6 106.6 160.0
51 47.1 31.9 47.9
86 66.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 0.735 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

WP022SB458_200113_23-25ME

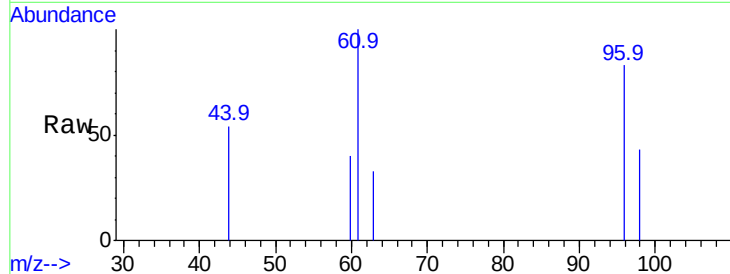
Tgt Ion: 96 Resp: 1290

Ion Ratio Lower Upper

96 100

61 121.2 120.4 180.6

98 52.0 50.6 75.8

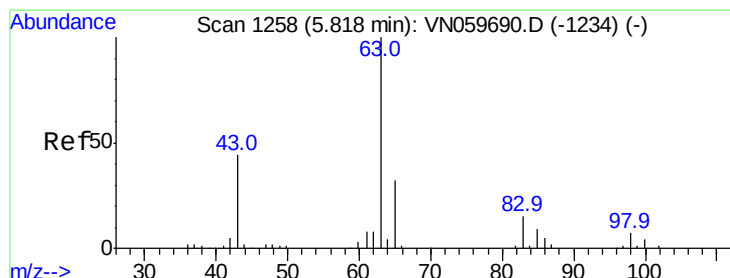
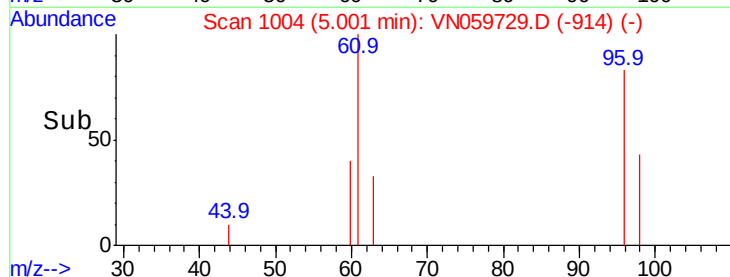
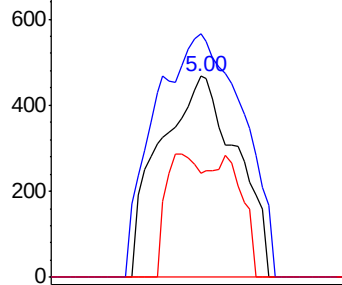


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#24

1,1-Dichloroethane

Concen: 1.505 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

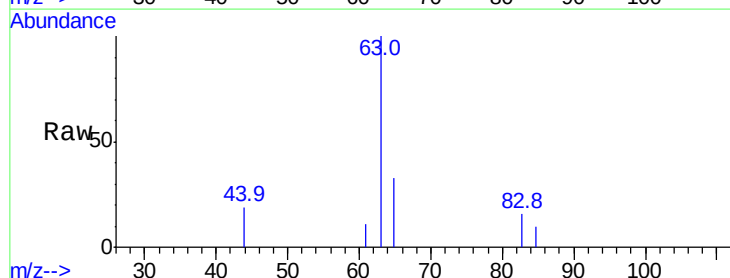
Tgt Ion: 63 Resp: 4639

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 2.0 6.0#

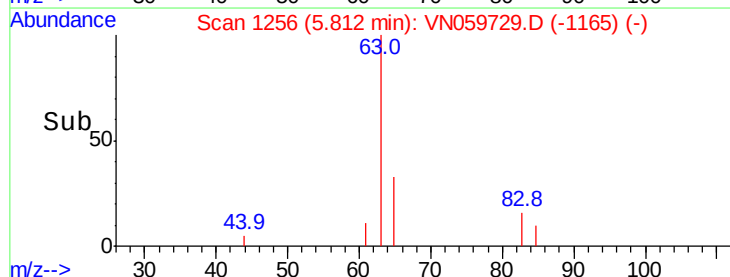
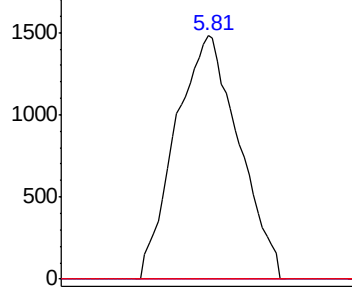


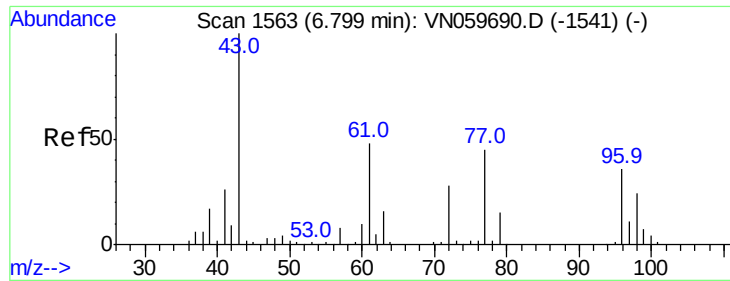
Abundance

Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

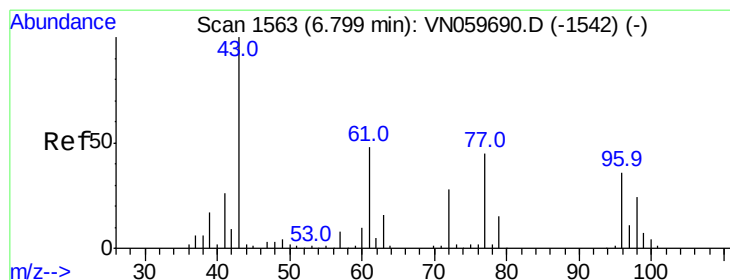
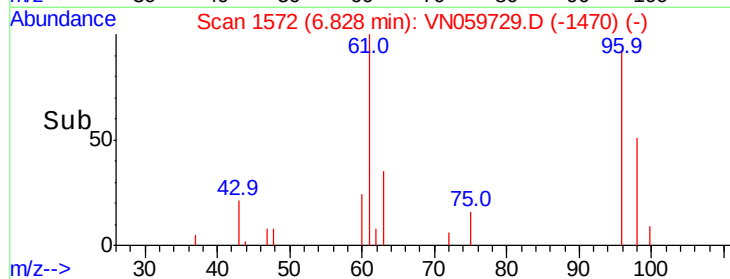
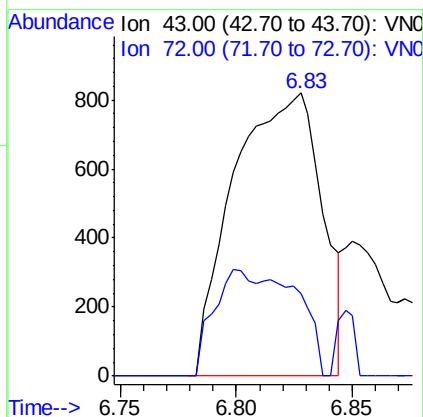
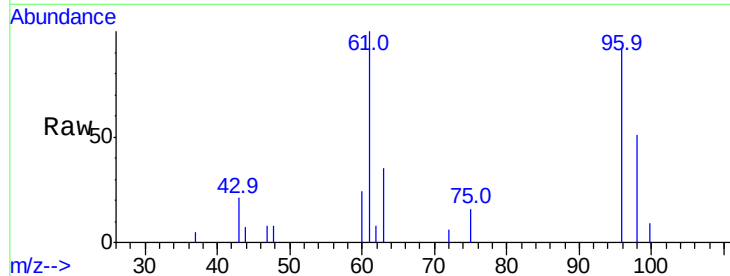




#25
2-Butanone
Concen: 1.910 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.03 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

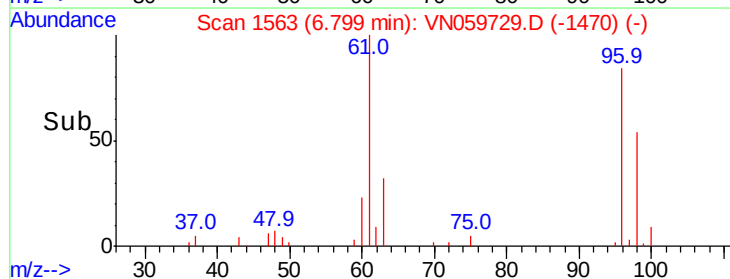
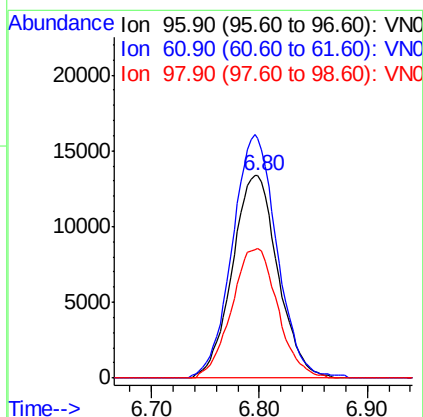
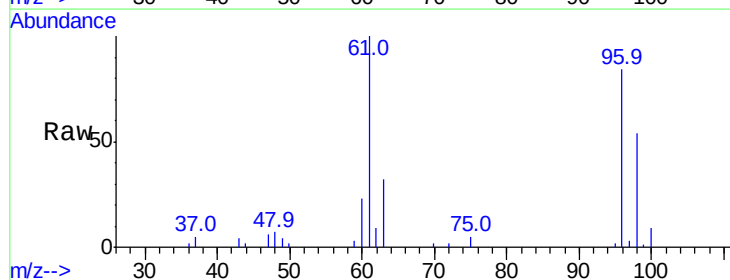
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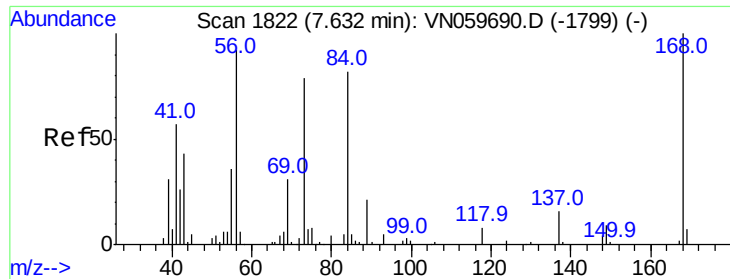
Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
72 29.1 19.9 29.9



#27
cis-1,2-Dichloroethene
Concen: 19.467 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 96 Resp: 39313
Ion Ratio Lower Upper
96 100
61 117.6 0.0 317.6
98 64.4 0.0 127.0

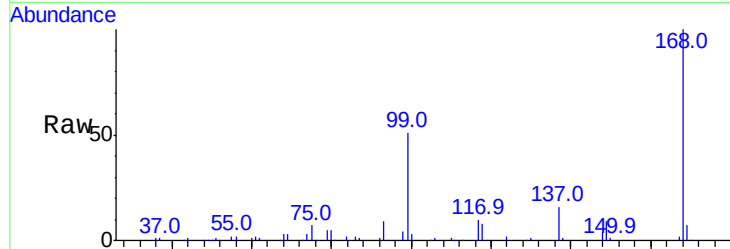




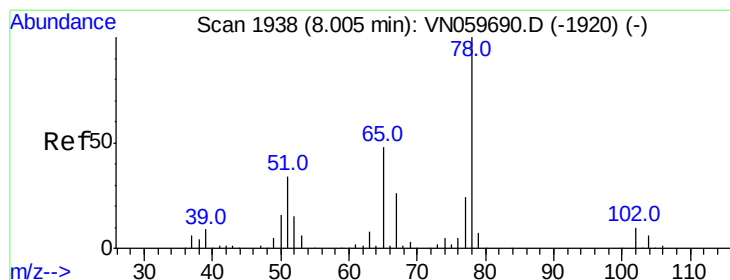
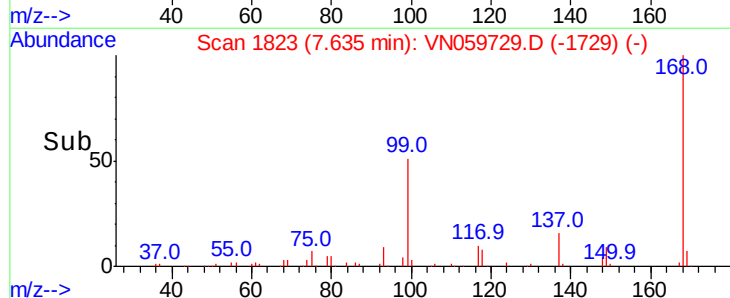
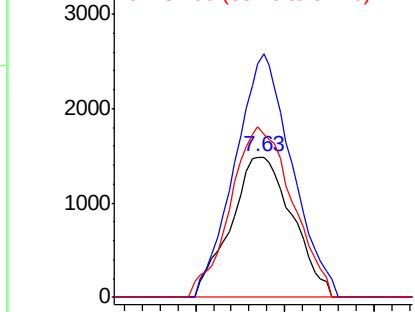
#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

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Tgt Ion: 56 Resp: 3576
Ion Ratio Lower Upper
56 100
69 166.6 26.5 39.7#
84 121.2 65.3 97.9#

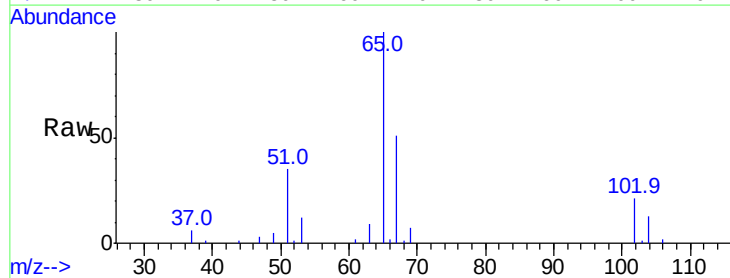


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

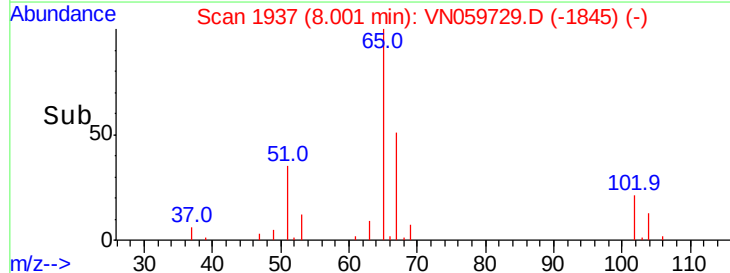
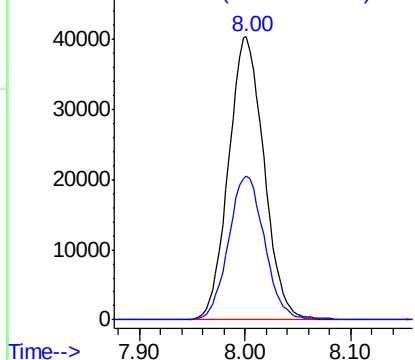


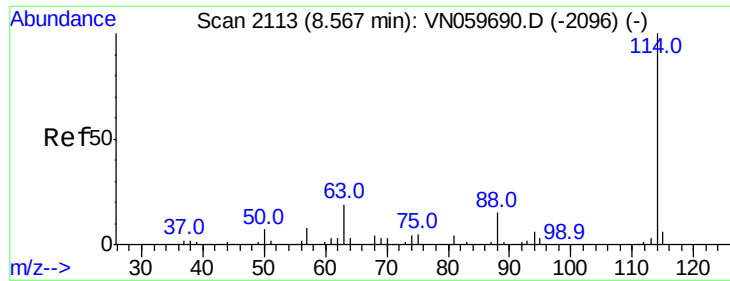
#33
1,2-Dichloroethane-d4
Concen: 47.022 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion: 65 Resp: 94275
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0



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

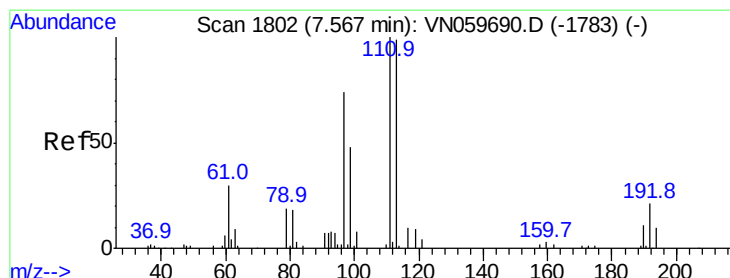
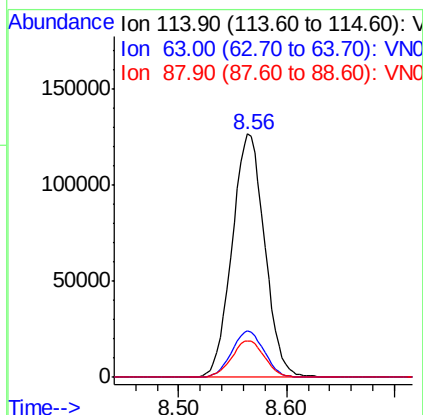
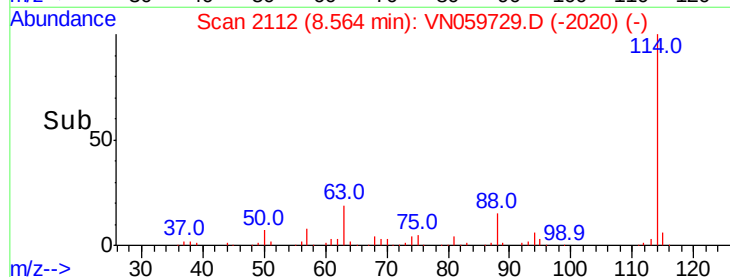
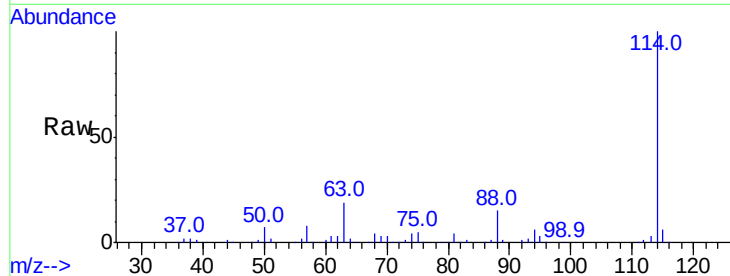




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.56 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

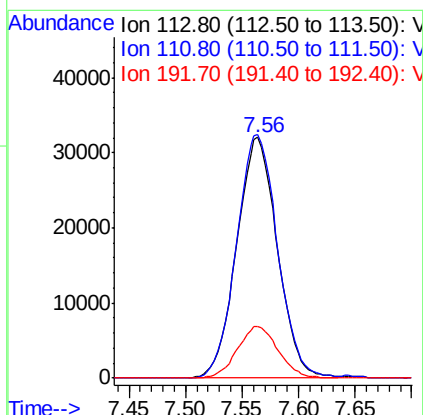
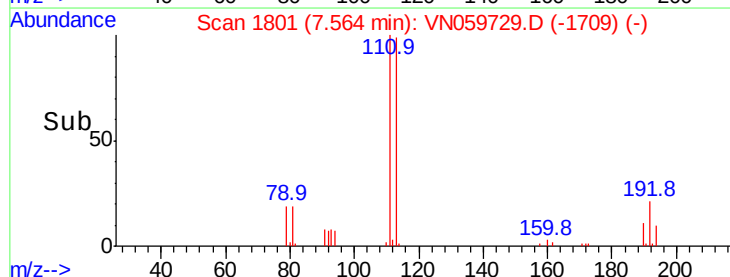
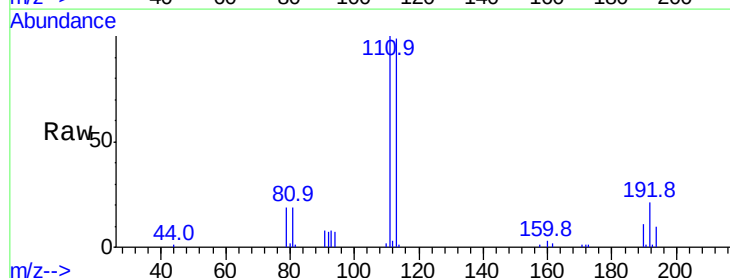
Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

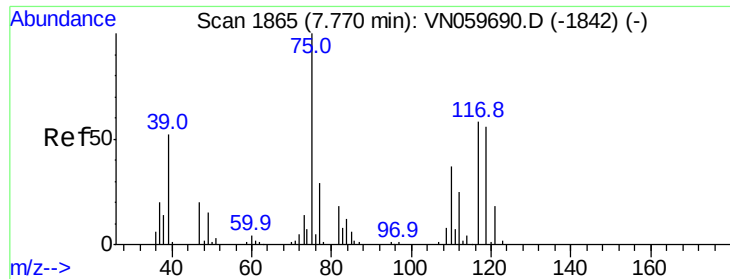
Tgt Ion:114 Resp: 266836
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.6
88 15.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.382 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion:113 Resp: 80171
Ion Ratio Lower Upper
113 100
111 102.1 83.5 125.3
192 21.4 15.4 23.2

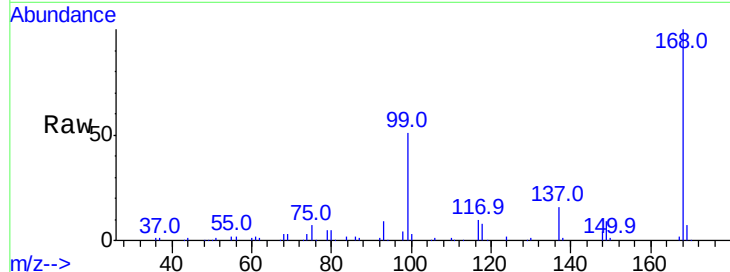




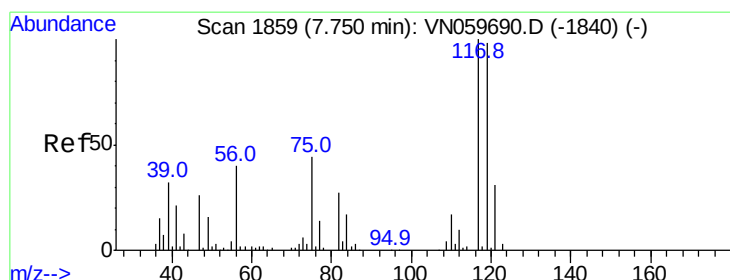
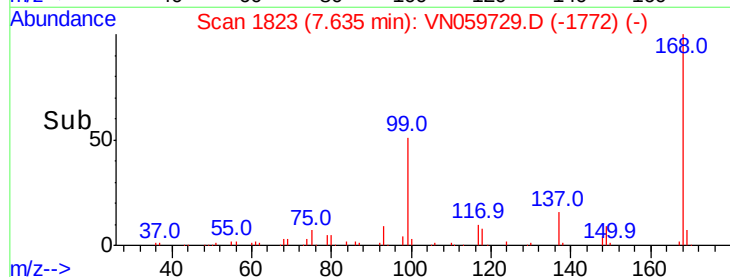
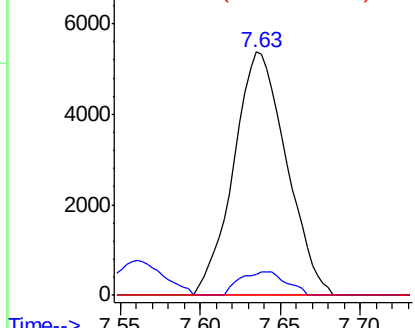
#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 7.63 min Scan# 1823
 Delta R.T. -0.14 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB458_200113_23-25ME

Tgt Ion: 75 Resp: 12136
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.6 49.7#
 77 0.0 25.1 37.7#

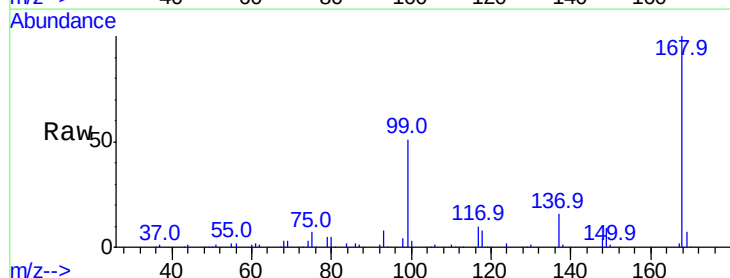


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

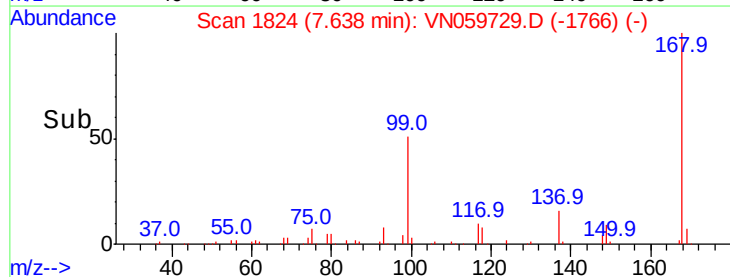
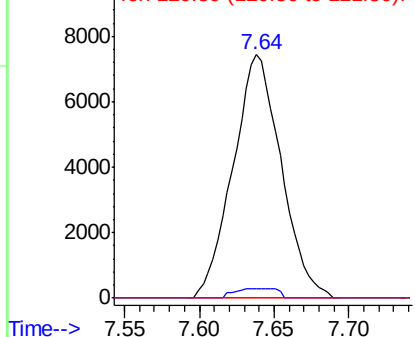


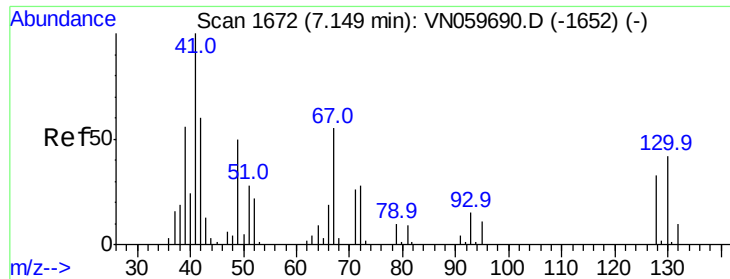
#38
 Carbon Tetrachloride
 Concen: 6.607 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

Tgt Ion: 117 Resp: 16700
 Ion Ratio Lower Upper
 117 100
 119 4.0 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

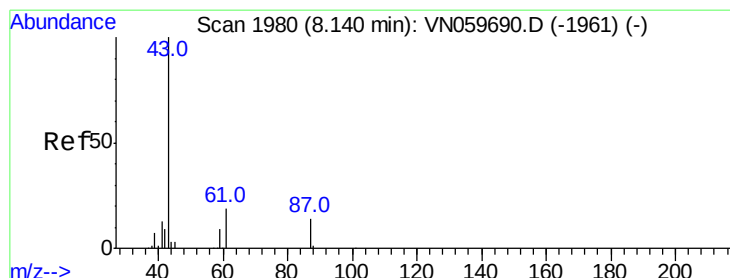
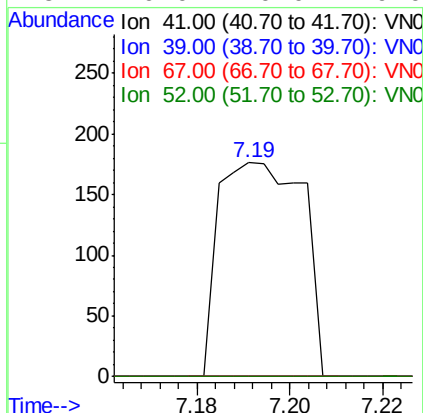
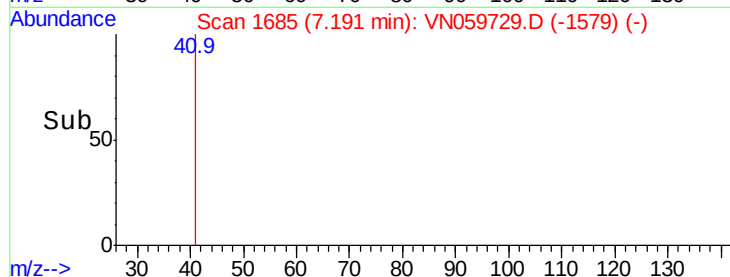
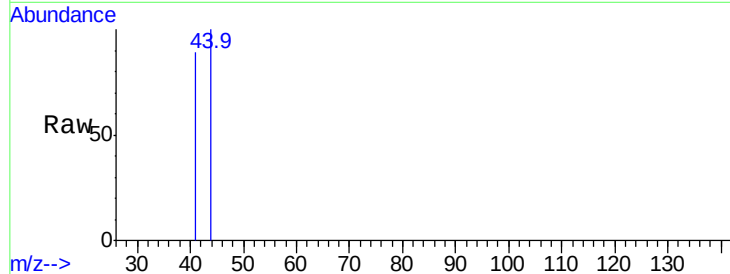




#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

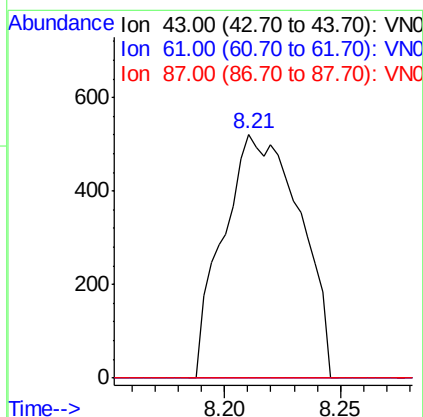
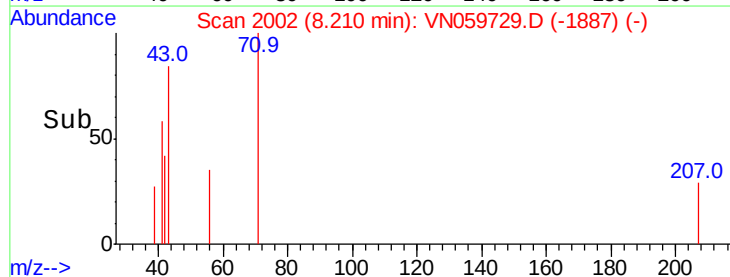
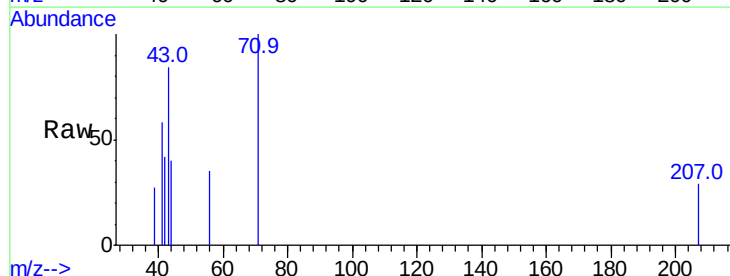
Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

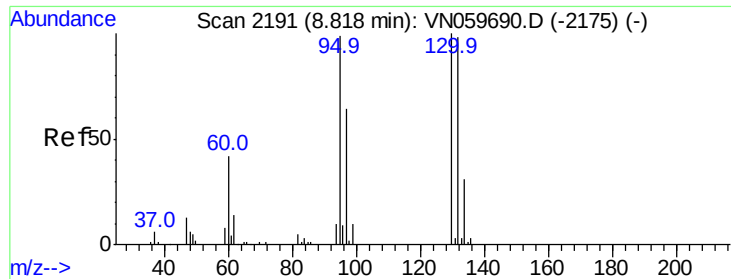
Tgt Ion:	41	Resp:	223
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.319 ug/l
RT: 8.21 min Scan# 2002
Delta R.T. 0.07 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion:	43	Resp:	1197
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.2	30.2#
87	0.0	9.5	14.3#

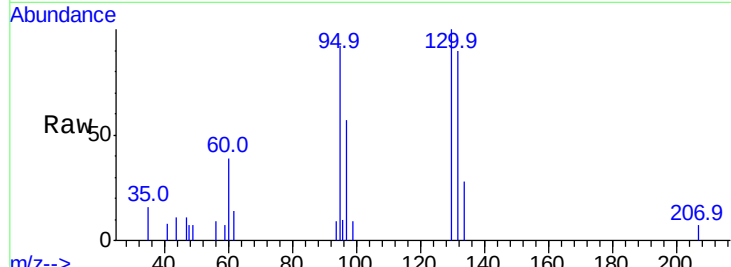




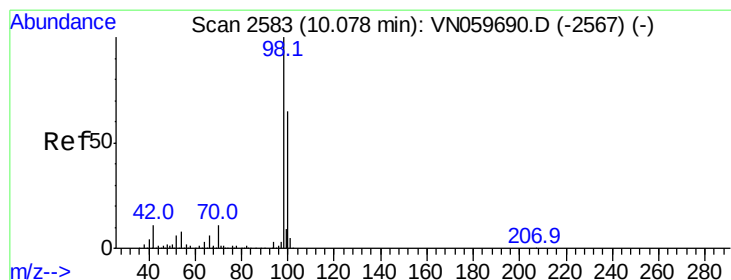
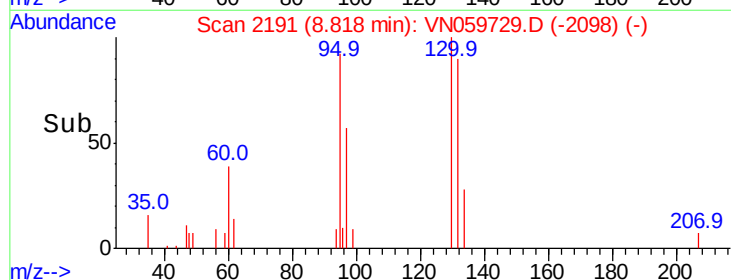
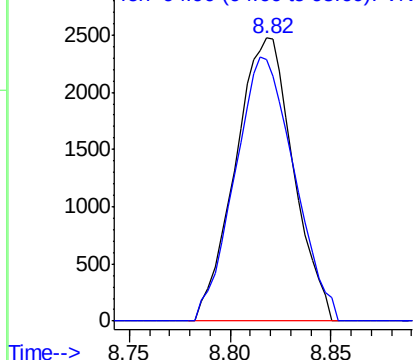
#44
 Trichloroethene
 Concen: 2.621 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB458_200113_23-25ME

Tgt Ion: 130 Resp: 4959
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 207.0

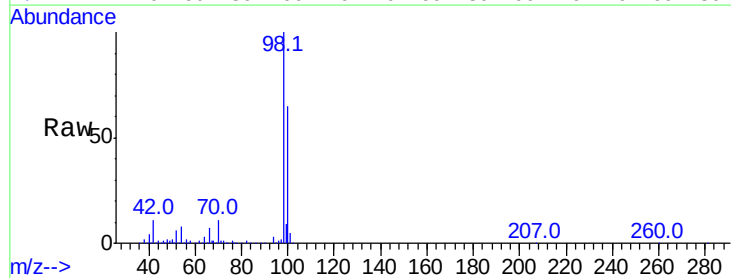


Abundance Ion 129.80 (129.50 to 130.50): VN059690.D (-2175) (-)
 Ion 94.90 (94.60 to 95.60): VN059690.D (-2175) (-)

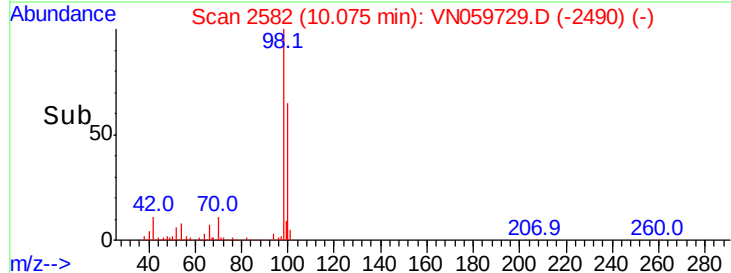
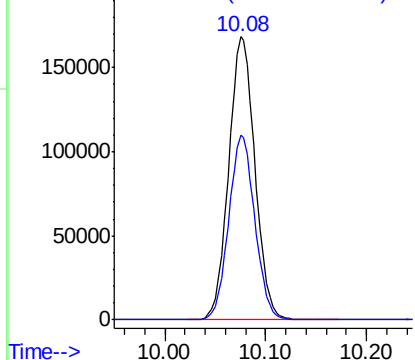


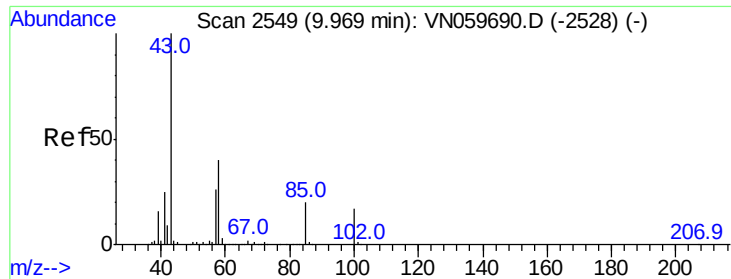
#50
 Toluene-d8
 Concen: 49.467 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

Tgt Ion: 98 Resp: 304984
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)
 Ion 100.00 (99.70 to 100.70): VN059690.D (-2567) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.239 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

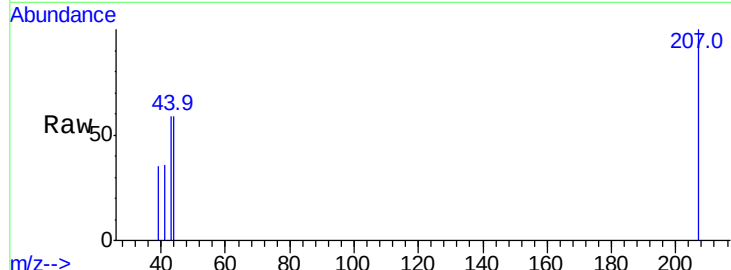
Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

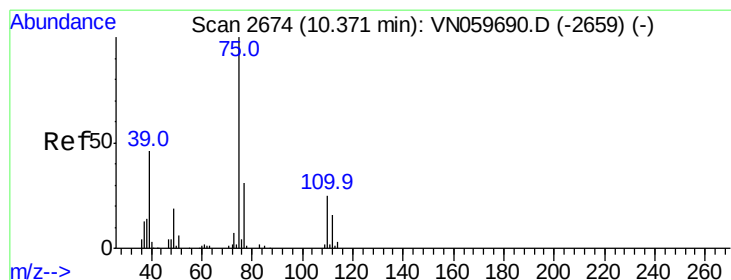
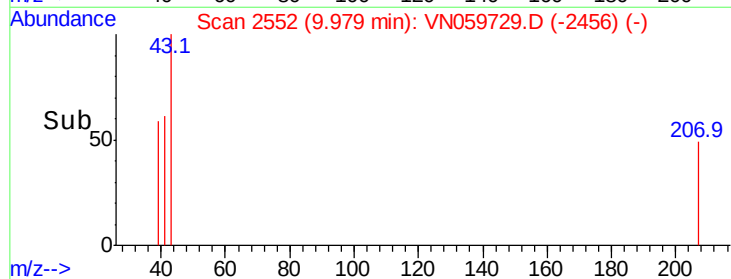
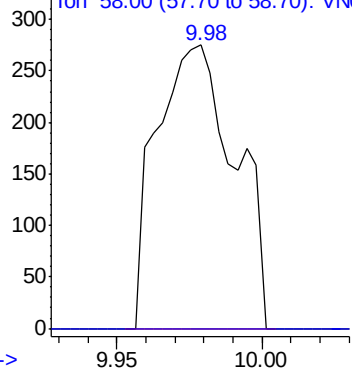
Tgt Ion: 43 Resp: 518

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 1.158 ug/l

RT: 10.23 min Scan# 2630

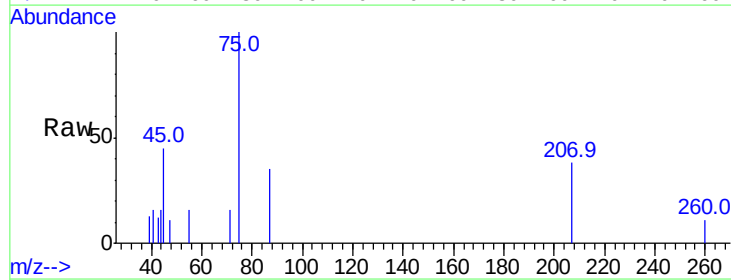
Delta R.T. -0.14 min

Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

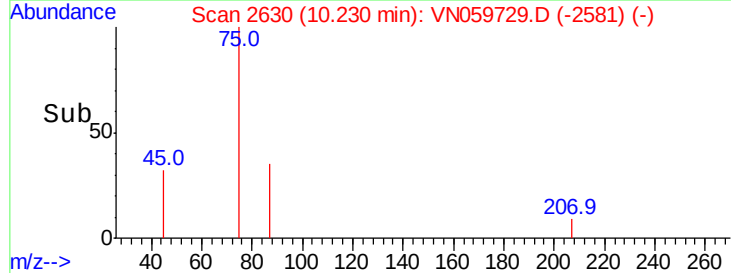
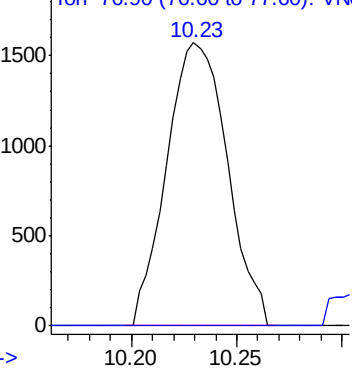
Tgt Ion: 75 Resp: 3153

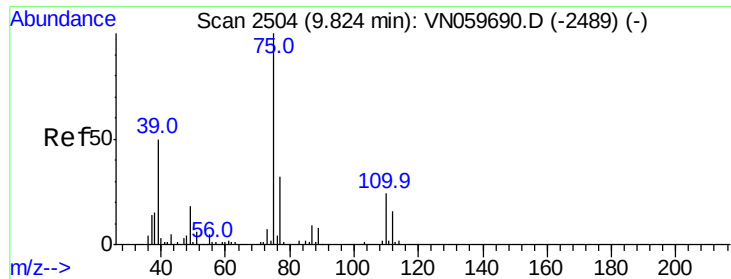
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.4	38.2#



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: 0.525 ug/l

RT: 9.58 min Scan# 2427

Delta R.T. -0.25 min

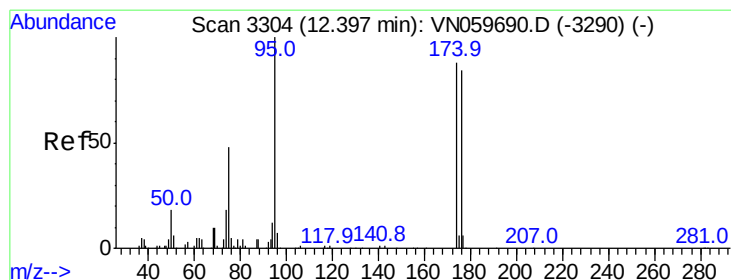
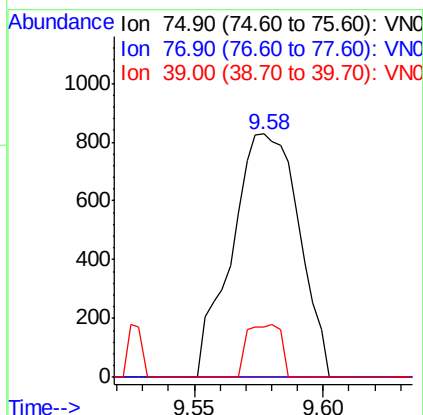
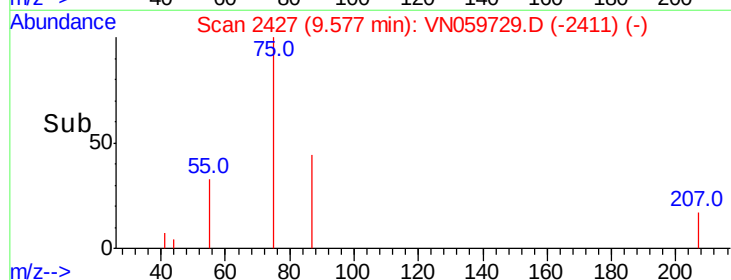
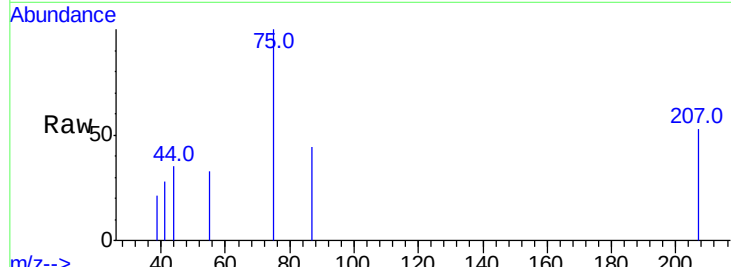
Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

Tgt Ion: 75 Resp: 1503

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.1	37.7#
39	20.7	46.1	69.1#



#62

4-Bromofluorobenzene

Concen: 48.086 ug/l

RT: 12.40 min Scan# 3304

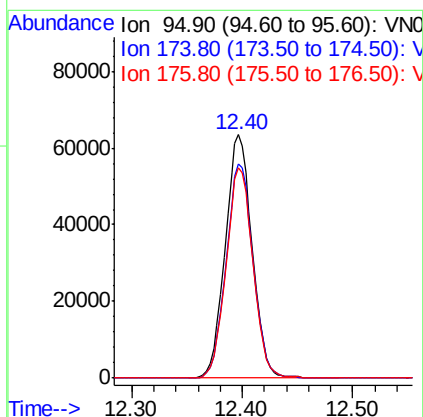
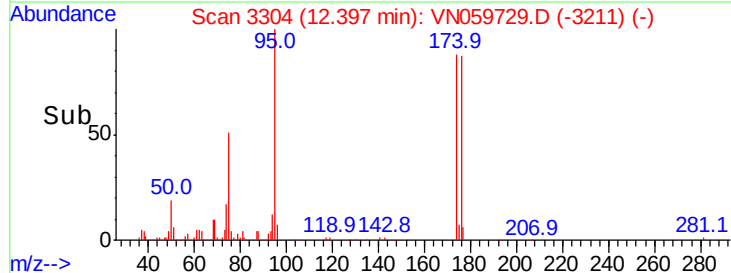
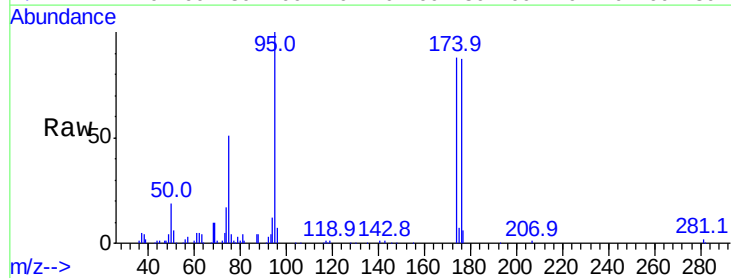
Delta R.T. 0.00 min

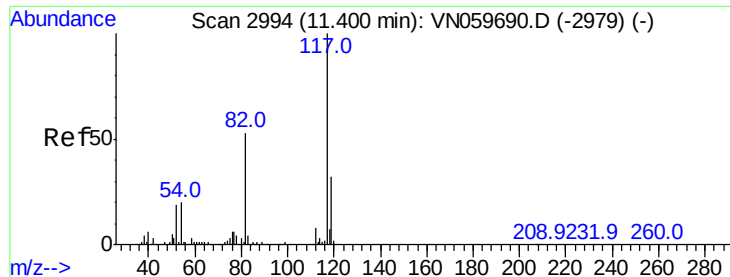
Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

Tgt Ion: 95 Resp: 106876

Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	151.4
176	86.5	0.0	146.0

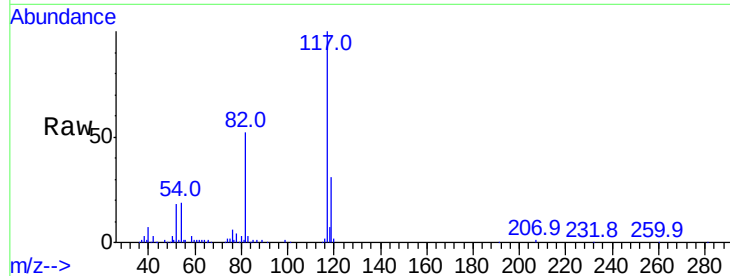




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Instrument :
MSVOA_N
ClientSampleId :
WP022SB458_200113_23-25ME

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.9	68.9
119	31.5	25.5	38.3

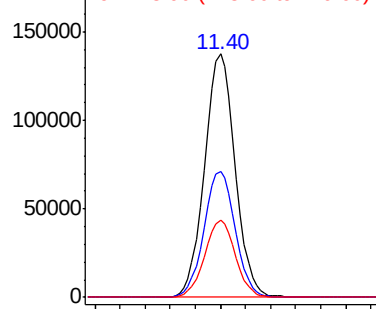


Abundance

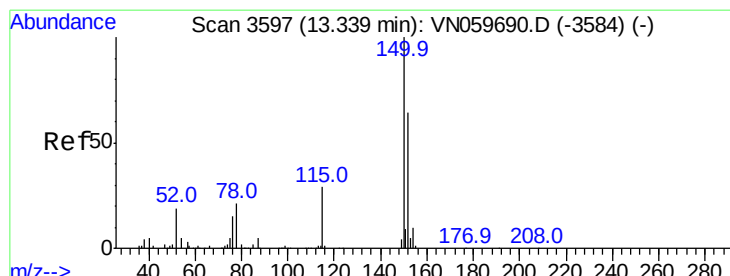
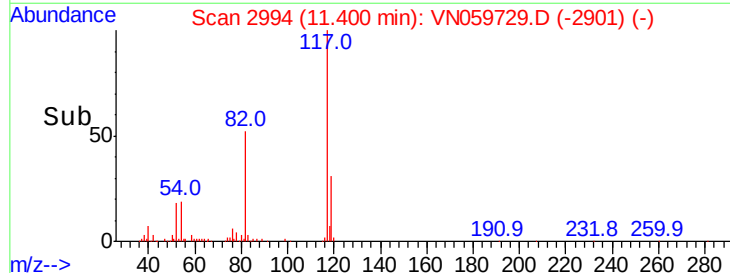
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

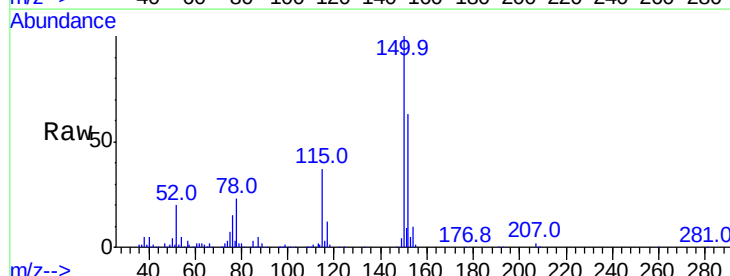


Time--> 11.30 11.40 11.50



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059729.D
Acq: 16 Jan 2020 14:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	157.5	0.0	345.2

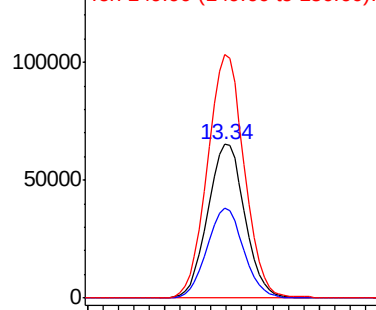


Abundance

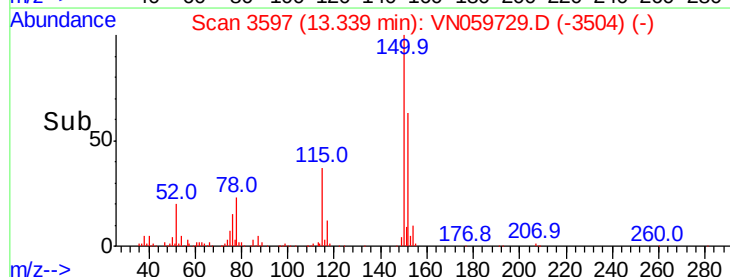
Ion 151.90 (151.60 to 152.60): V

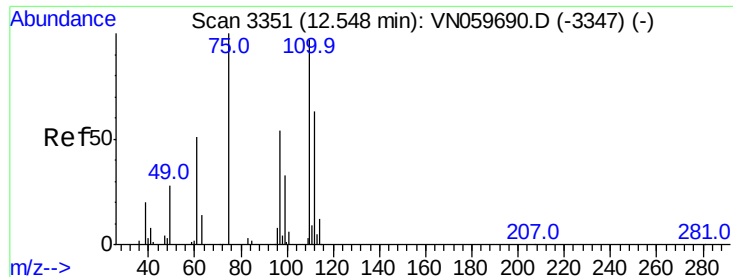
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.25 13.30 13.35 13.40

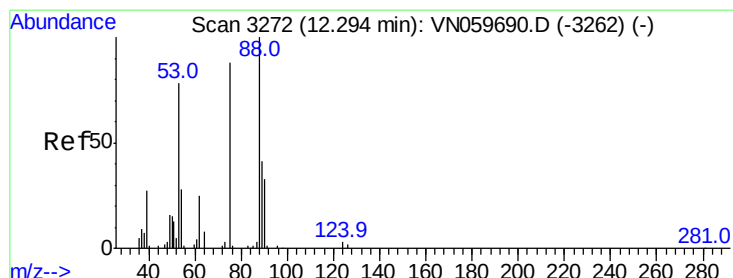
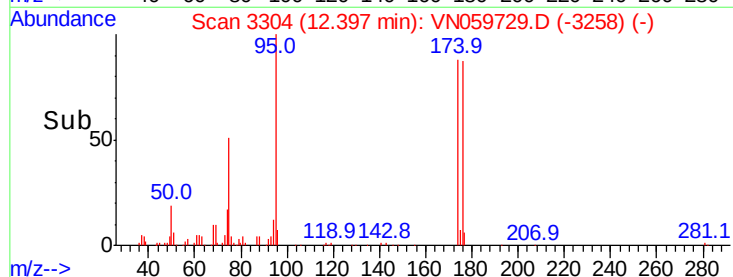
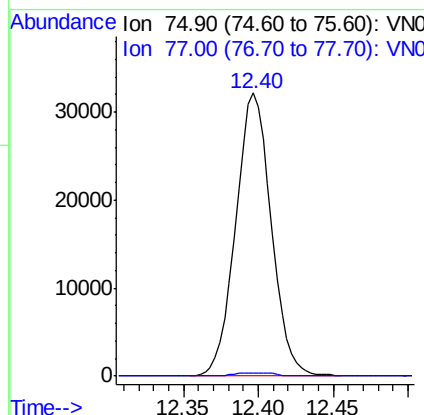
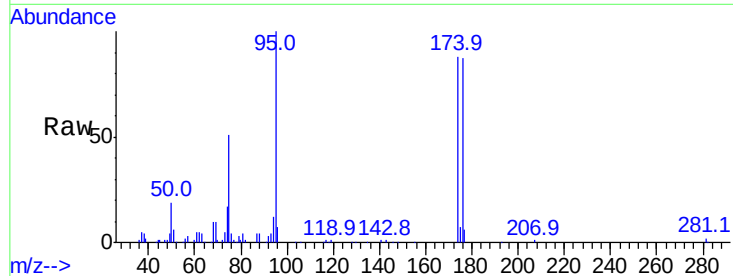




#76
 1,2,3-Trichloropropane
 Concen: 29.046 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

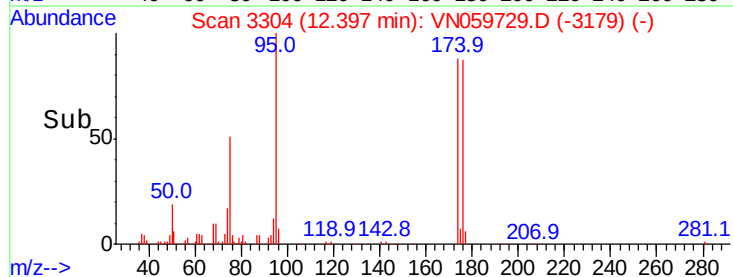
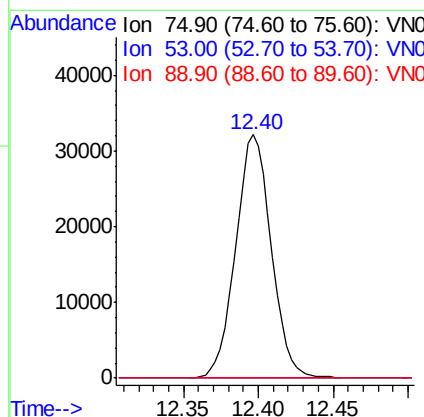
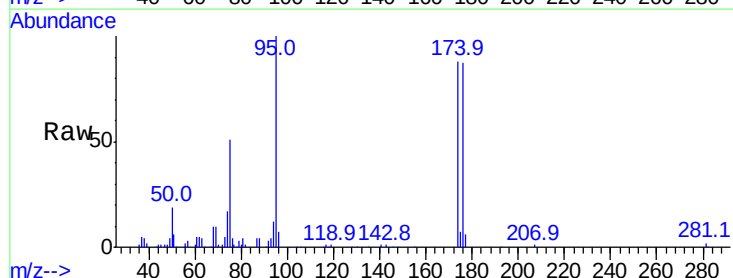
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB458_200113_23-25ME

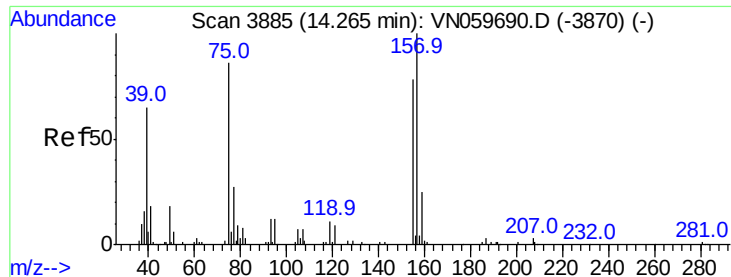
Tgt Ion: 75 Resp: 53155
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.377 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059729.D
 Acq: 16 Jan 2020 14:08

Tgt Ion: 75 Resp: 53155
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059729.D

Acq: 16 Jan 2020 14:08

Instrument :

MSVOA_N

ClientSampleId :

WP022SB458_200113_23-25ME

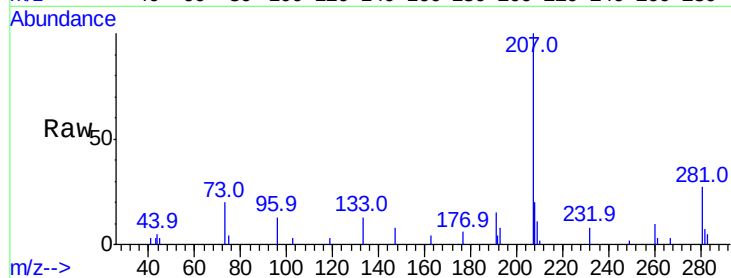
Tgt Ion: 75 Resp: 678

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

