

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062987.D
 Acq On : 17 Aug 2020 22:45
 Operator : JC/MD
 Sample : L3508-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

Quant Time: Aug 18 05:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	301048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	323721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	105868	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
35) Dibromofluoromethane	7.55	113	98598	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.06	98	392267	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.38	95	134047	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

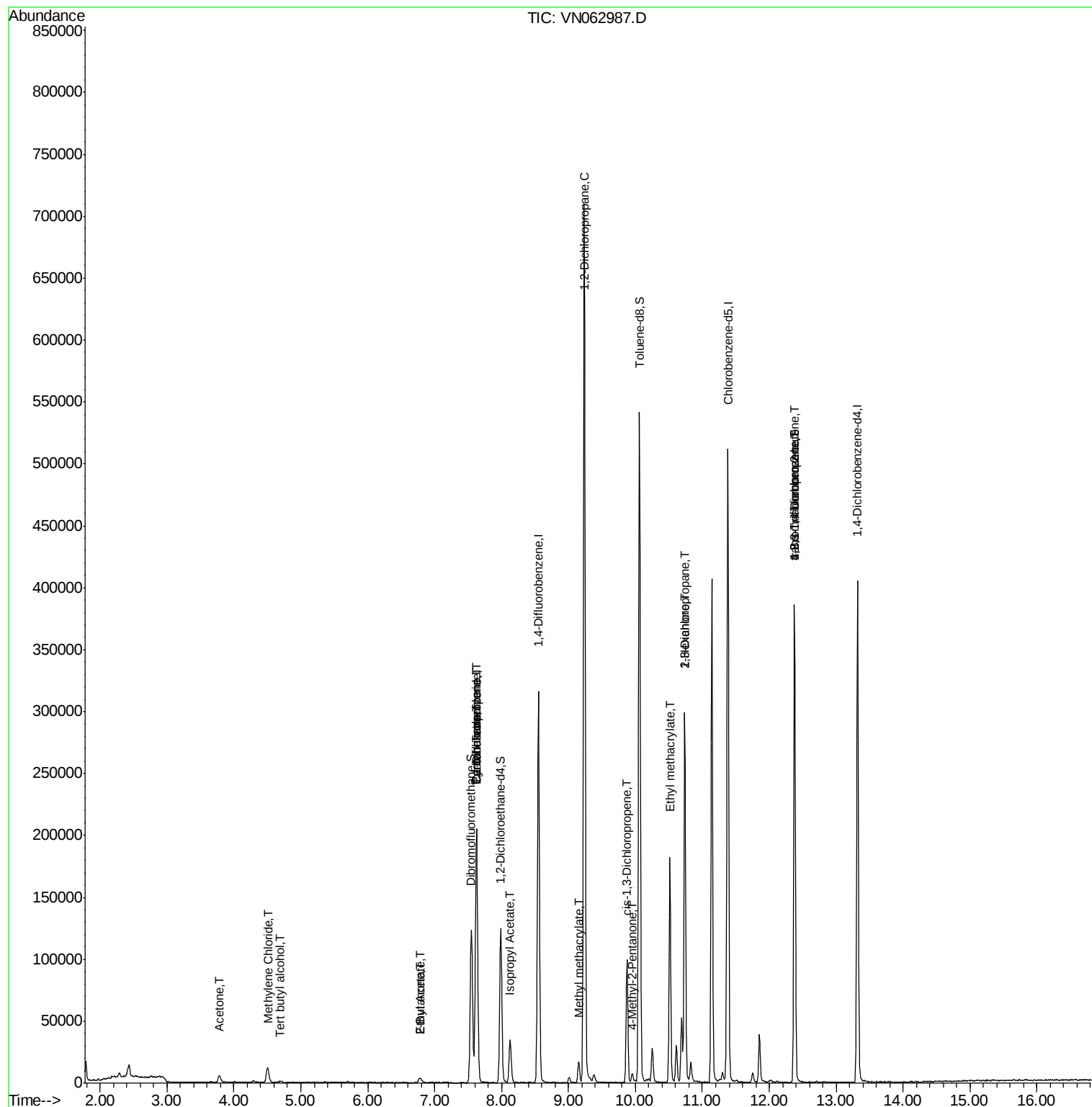
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	417	1.222	ug/l #	74
16) Acetone	3.78	43	9690	12.532	ug/l	100
18) Methyl Acetate	4.29	43	1948	Below Cal	#	82
20) Methylene Chloride	4.51	84	9772	5.777	ug/l	92
25) 2-Butanone	6.80	43	1720	1.543	ug/l	95
29) Tetrahydrofuran	7.17	42	189	Below Cal	#	29
31) Cyclohexane	7.63	56	2496	0.810	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11962	4.632	ug/l #	43
37) Ethyl Acetate	6.80	43	1720	0.729	ug/l #	65
38) Carbon Tetrachloride	7.63	117	16466	6.035	ug/l #	15
43) Isopropyl Acetate	8.13	43	39475	10.531	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	857	0.377	ug/l #	44
48) Methyl methacrylate	9.14	41	2672	1.457	ug/l #	8
51) 4-Methyl-2-Pentanone	9.95	43	4607	1.837	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	19362	5.786	ug/l #	64
56) Ethyl methacrylate	10.52	69	1145	4.068	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3123	0.906	ug/l #	42
59) 2-Hexanone	10.74	43	40024	11.532	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	63093	25.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	63093	69.669	ug/l #	16
95) Naphthalene	15.11	128	261	Below Cal	#	69

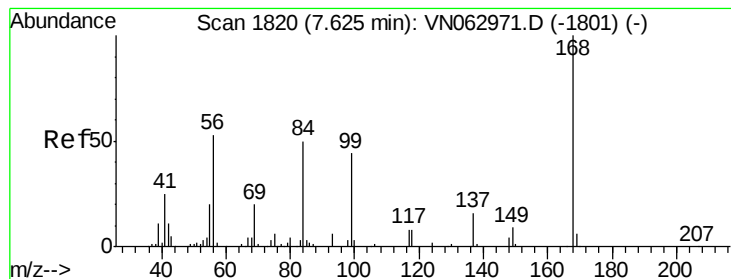
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081720\
Data File : VN062987.D
Acq On : 17 Aug 2020 22:45
Operator : JC/MD
Sample : L3508-22
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

Quant Time: Aug 18 05:54:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 17:31:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampleId :

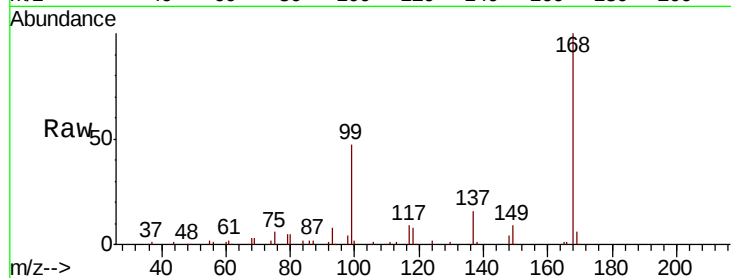
TR-08-081420

Tot Ion:168 Resp: 188510

Ion Ratio Lower Upper

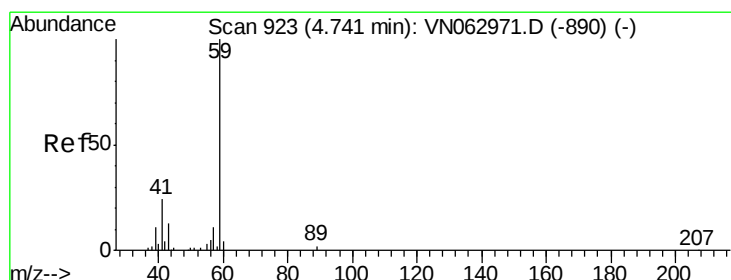
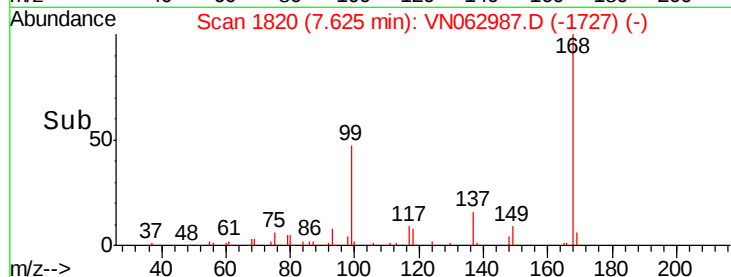
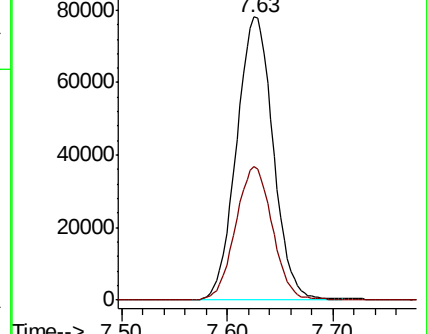
168 100

99 47.2 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 1.222 ug/l

RT: 4.68 min Scan# 904

Delta R.T. -0.06 min

Lab File: VN062987.D

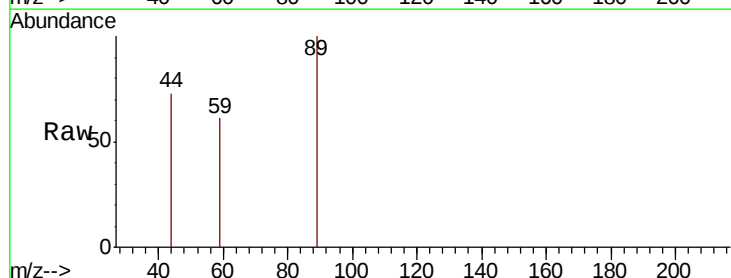
Acq: 17 Aug 2020 22:45

Tgt Ion: 59 Resp: 417

Ion Ratio Lower Upper

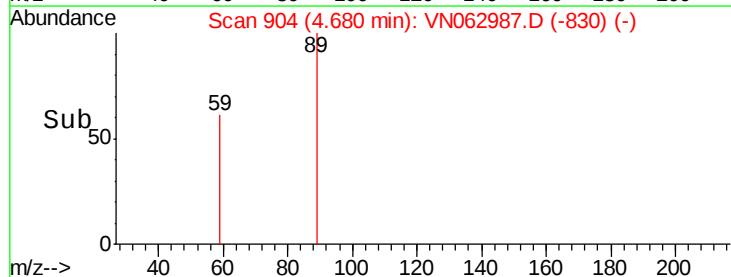
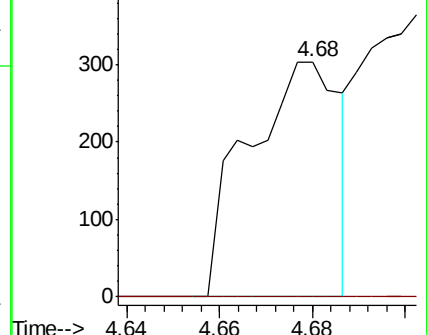
59 100

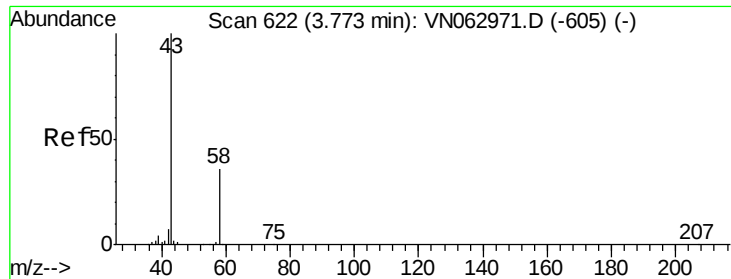
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 12.532 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampleId :

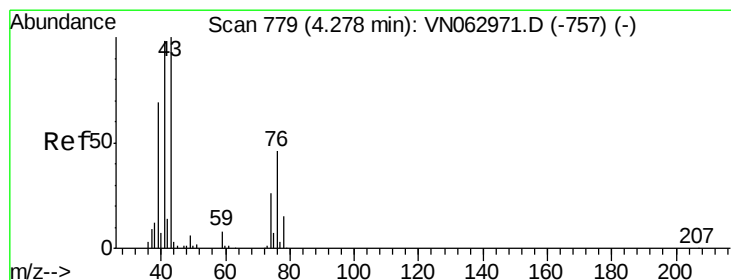
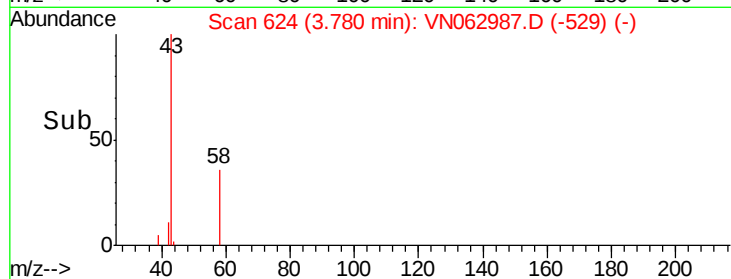
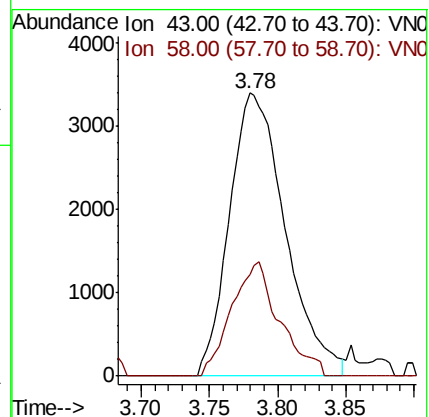
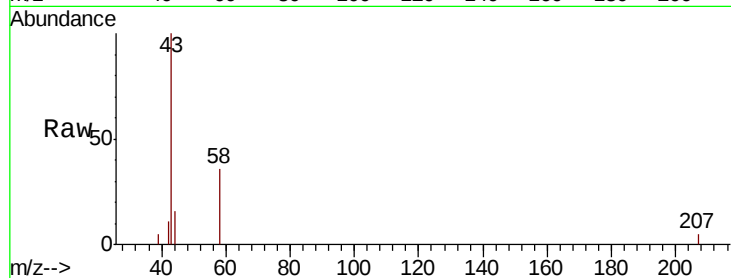
TR-08-081420

Tot Ion: 43 Resp: 9690

Ion Ratio Lower Upper

43 100

58 35.8 28.7 43.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062987.D

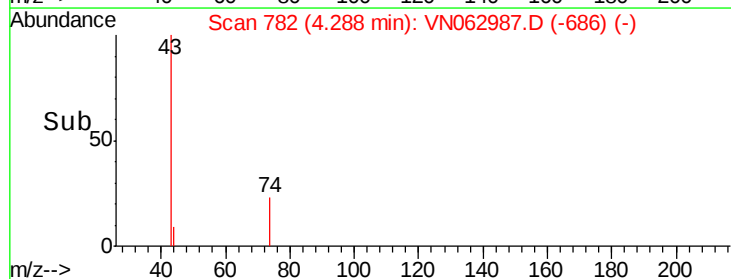
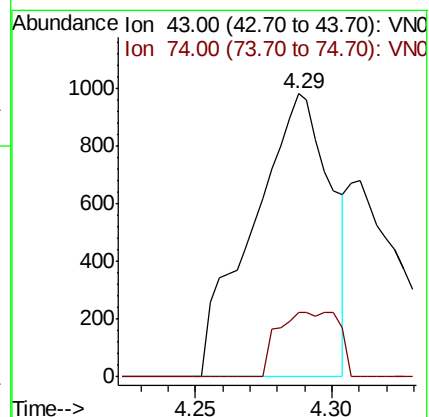
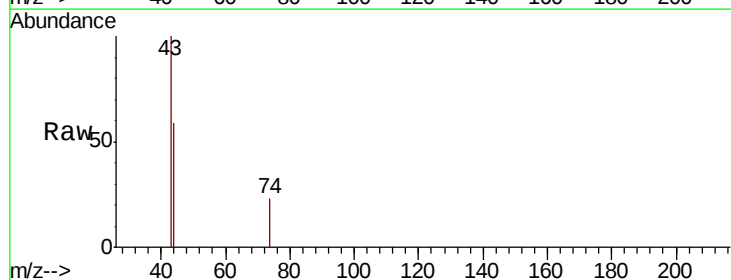
Acq: 17 Aug 2020 22:45

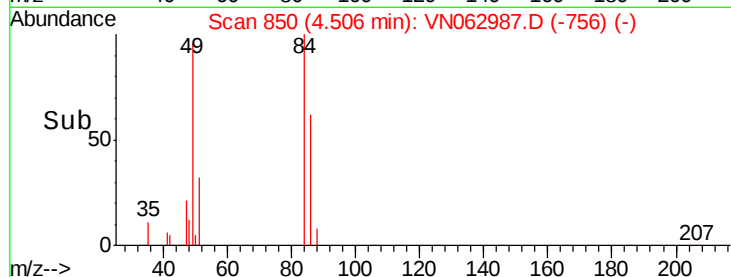
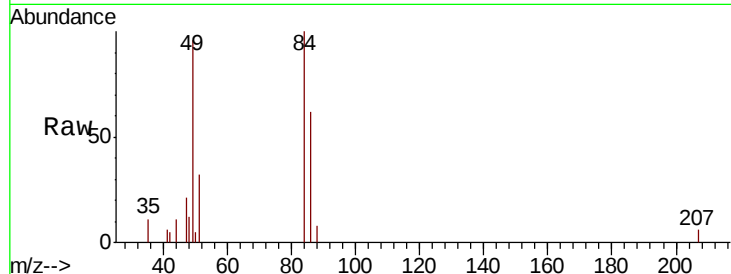
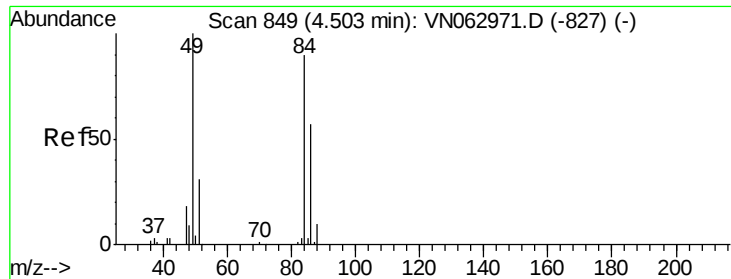
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

74 17.9 21.6 32.4#

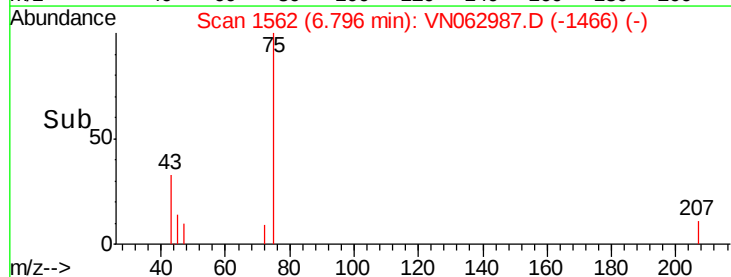
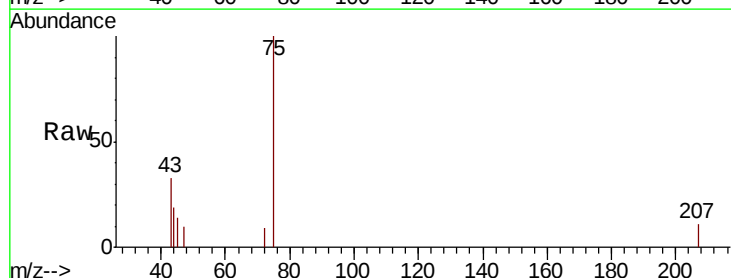
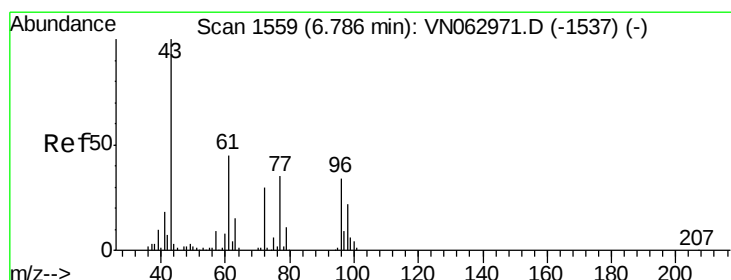
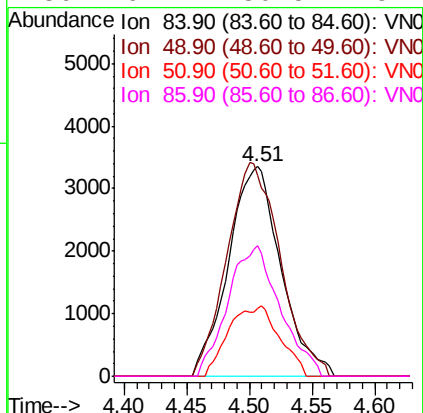




#20
Methvlene Chloride
Concen: 5.777 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

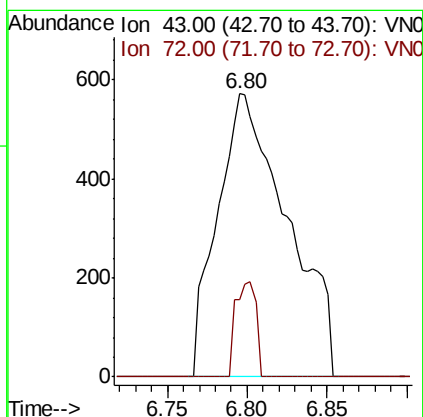
Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

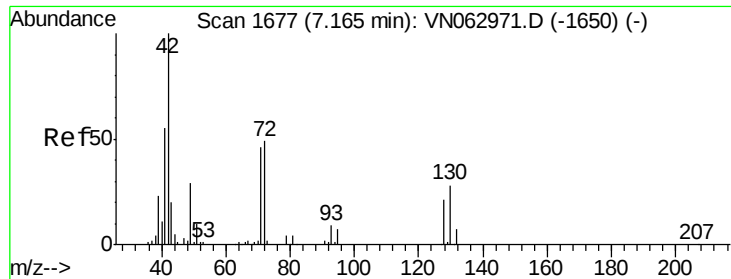
Tot Ion:	84	Resp:	9772
Ion	Ratio	Lower	Upper
84	100		
49	95.7	88.8	133.2
51	32.2	27.1	40.7
86	62.4	50.5	75.7



#25
2-Butanone
Concen: 1.543 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Tgt Ion:	43	Resp:	1720
Ion	Ratio	Lower	Upper
43	100		
72	27.3	23.9	35.9

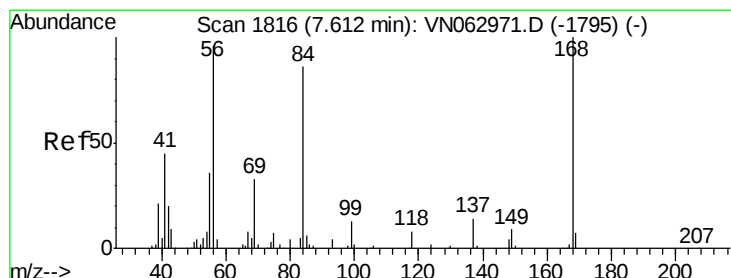
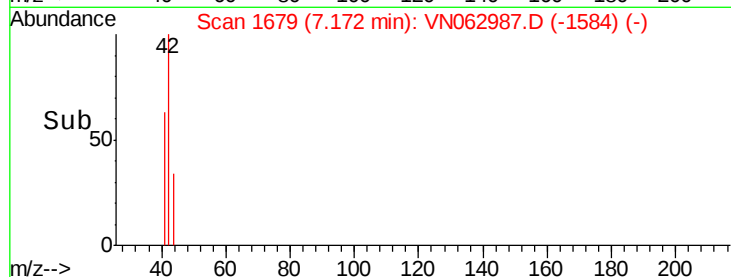
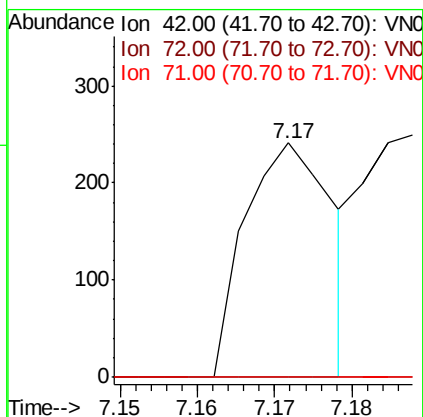
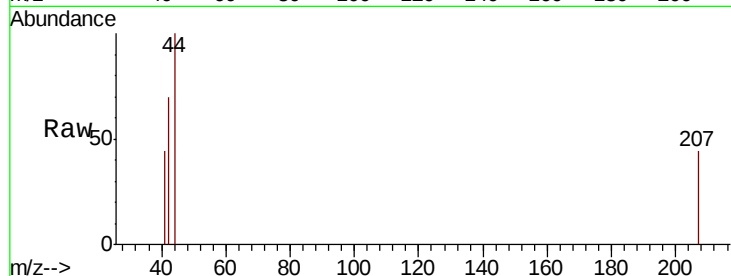




#29
Tetrahydrofuran
Concen: Below Cal
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

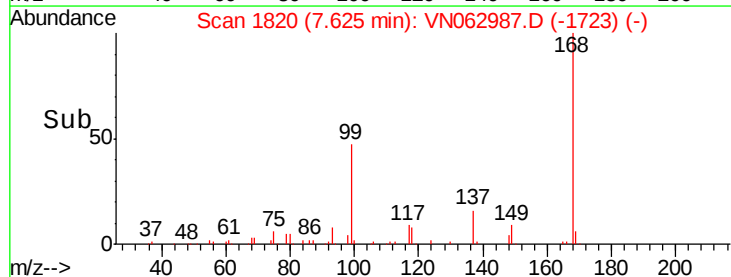
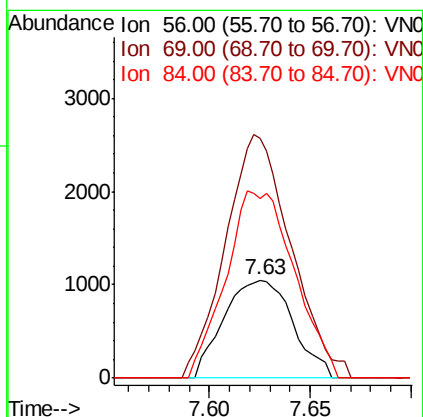
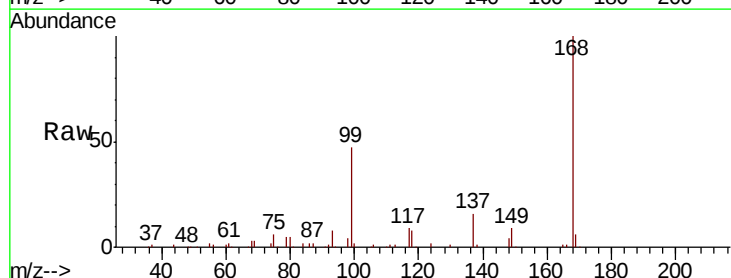
Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

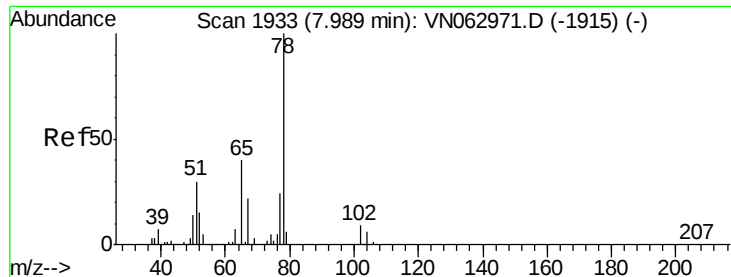
Tot Ion: 42 Resp: 189
Ion Ratio Lower Upper
42 100
72 0.0 39.4 59.2#
71 0.0 37.2 55.8#



#31
Cyclohexane
Concen: 0.810 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Tgt Ion: 56 Resp: 2496
Ion Ratio Lower Upper
56 100
69 228.7 27.4 41.2#
84 183.8 71.3 106.9#

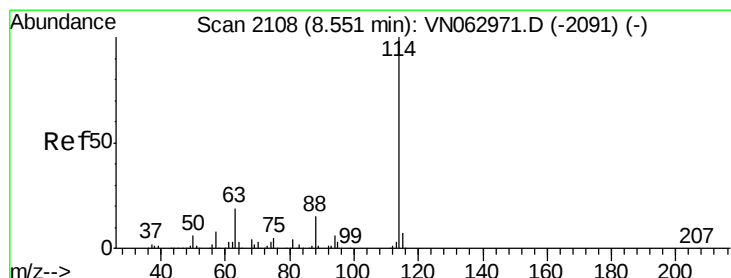
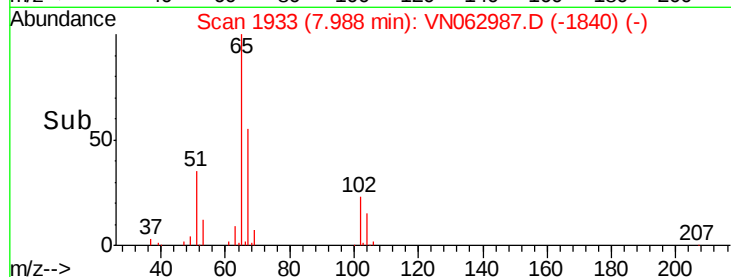
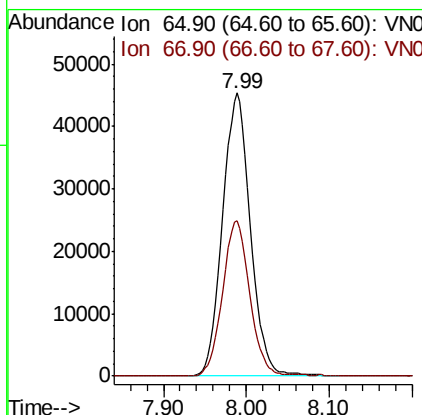
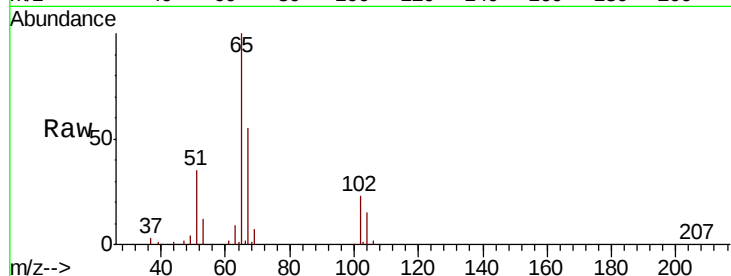




#33
 1,2-Dichloroethane-d4
 Concen: 53.015 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

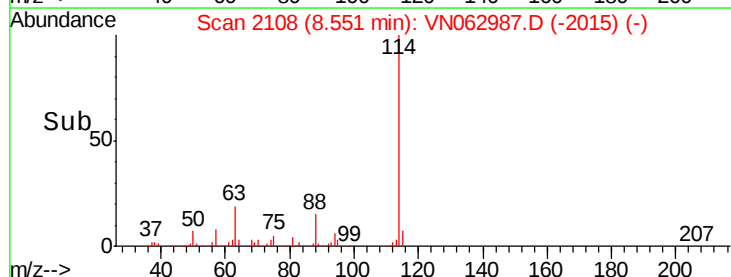
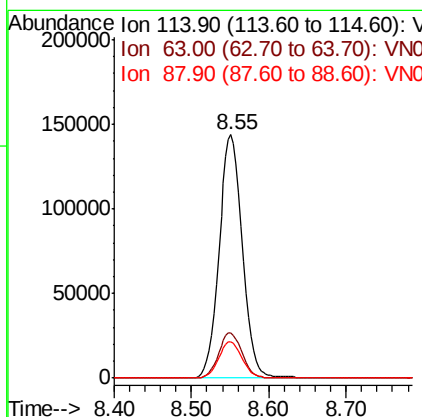
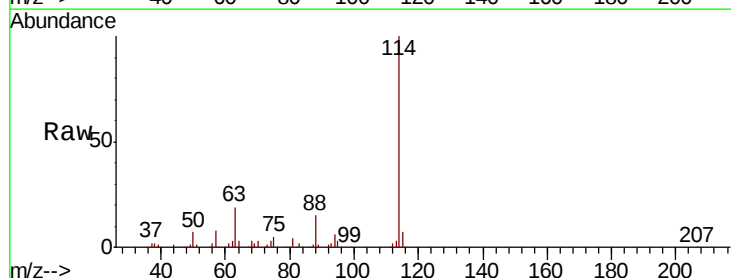
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

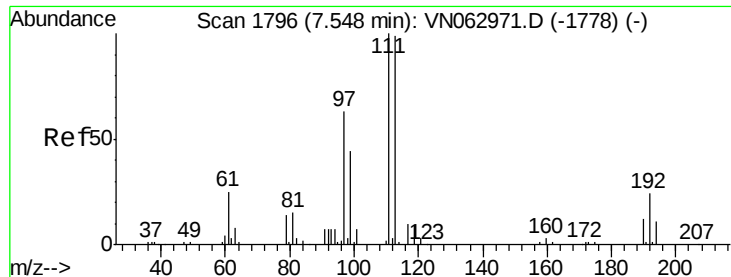
Tot Ion: 65 Resp: 105868
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

Tgt Ion: 114 Resp: 301048
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.1 0.0 31.0

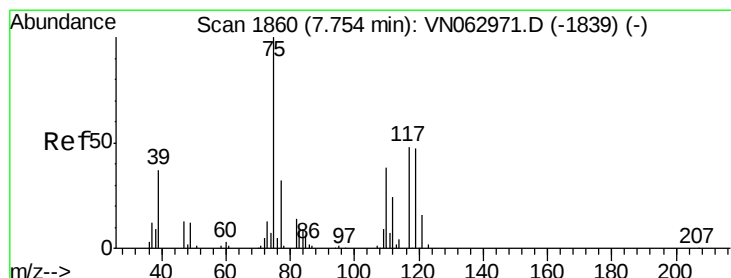
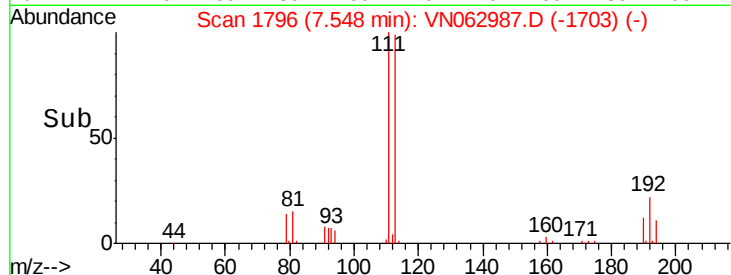
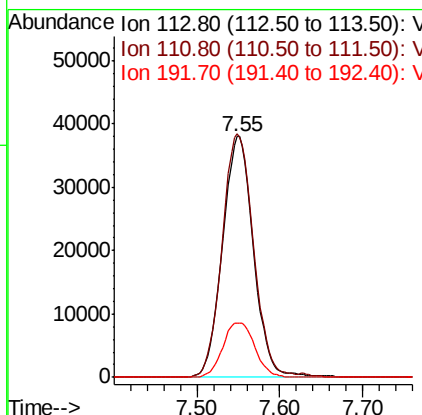
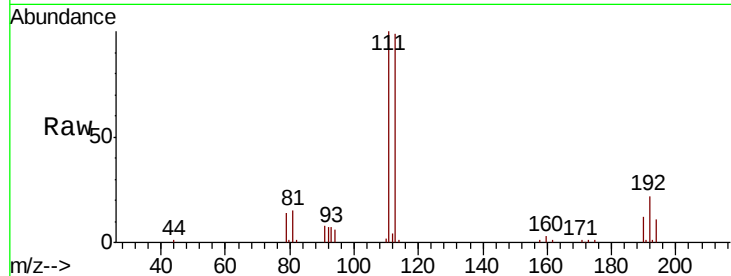




#35
 Dibromofluoromethane
 Concen: 50.283 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

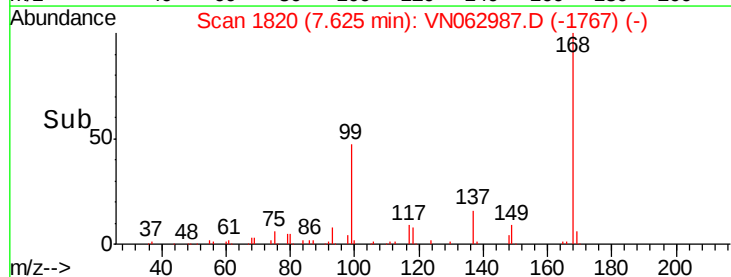
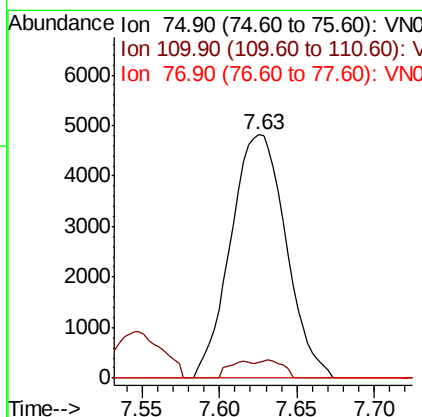
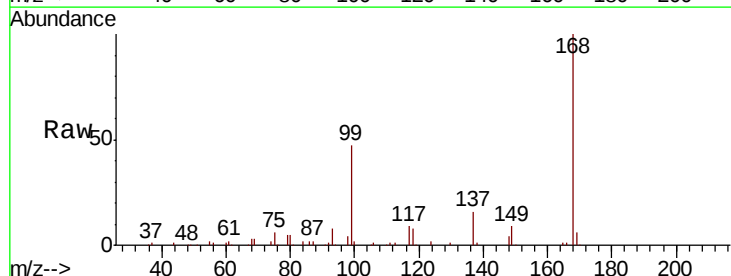
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

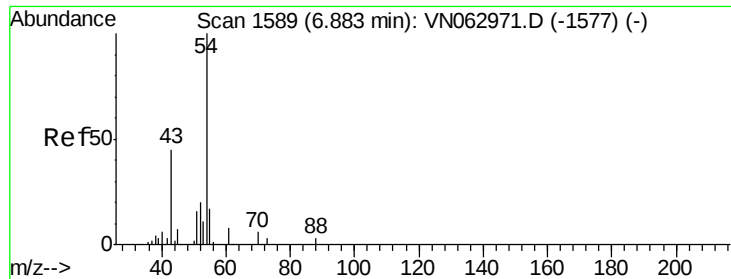
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	23.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.632 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.1	18.7	56.1#
77	0.0	25.6	38.4#

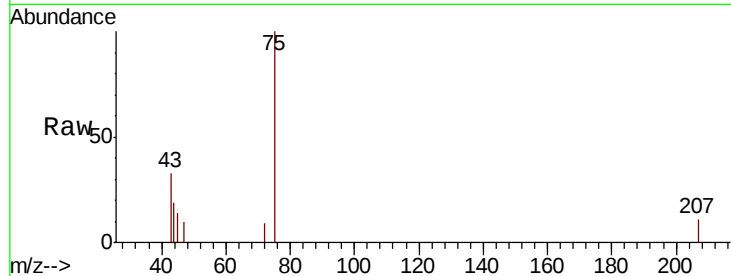




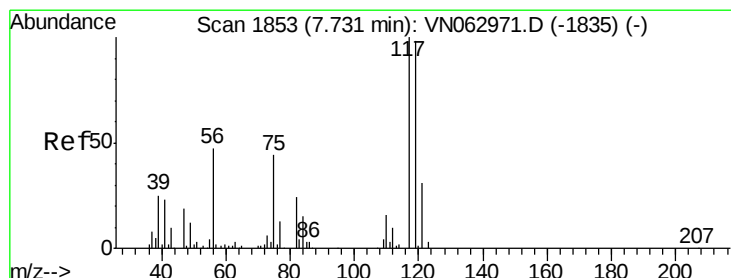
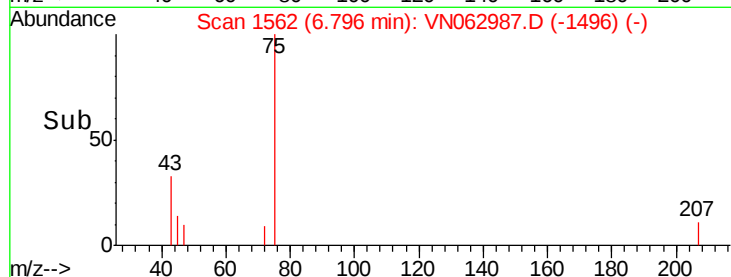
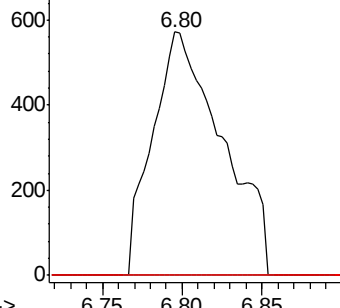
#37
Ethyl Acetate
Concen: 0.729 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.09 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

Tot Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.9 14.9#

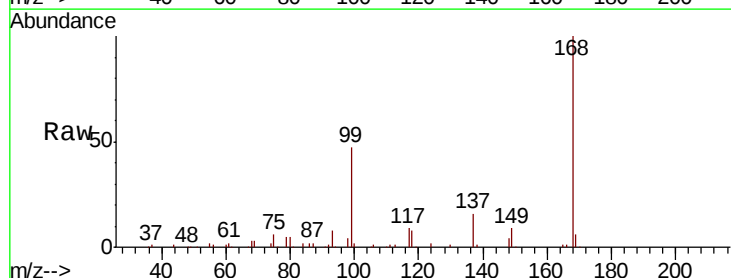


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

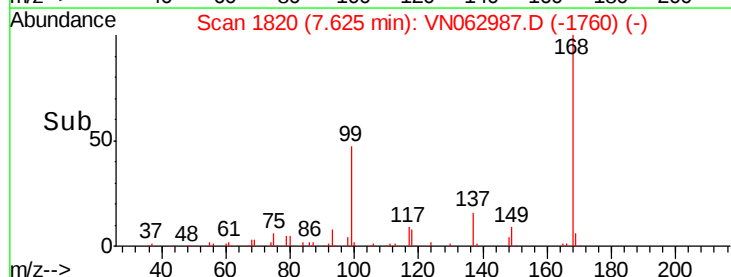
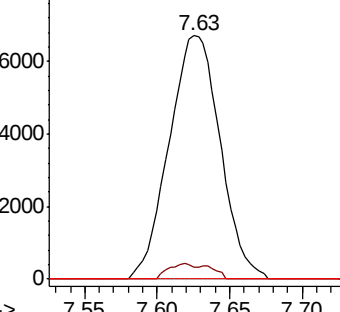


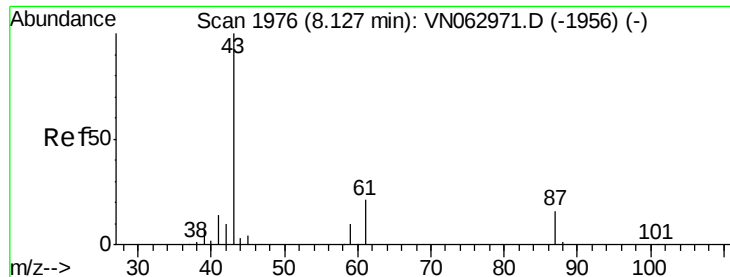
#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Tgt Ion: 117 Resp: 16466
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



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: 10.531 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampleId :

TR-08-081420

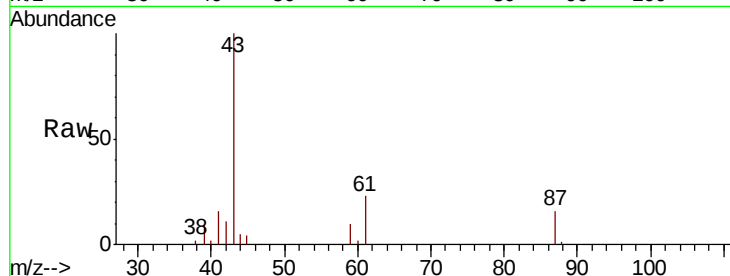
Tot Ion: 43 Resp: 39475

Ion Ratio Lower Upper

43 100

61 22.2 24.6 36.8#

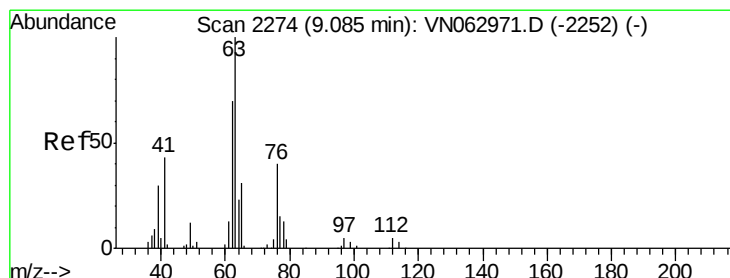
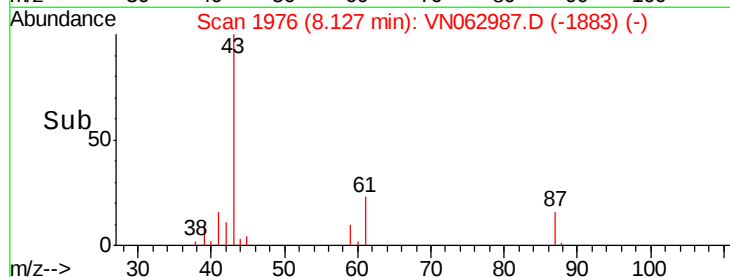
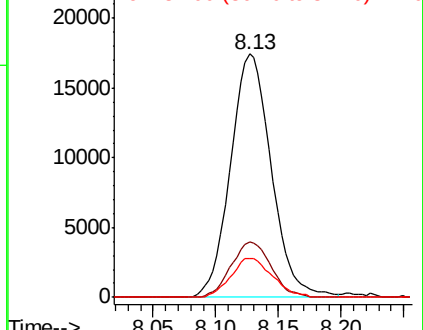
87 16.2 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VN062987.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062987.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062987.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.377 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062987.D

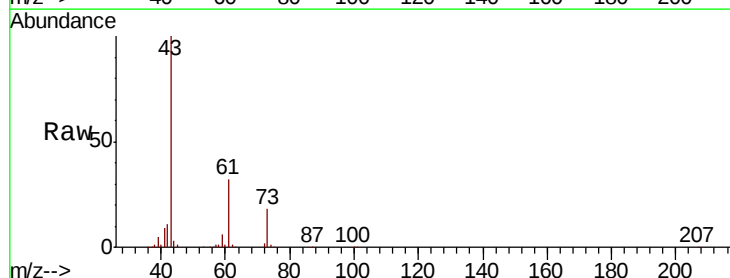
Acq: 17 Aug 2020 22:45

Tgt Ion: 63 Resp: 857

Ion Ratio Lower Upper

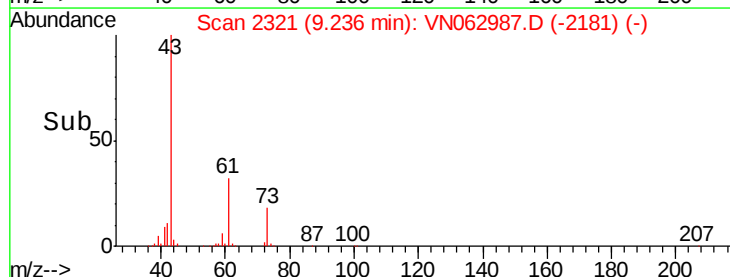
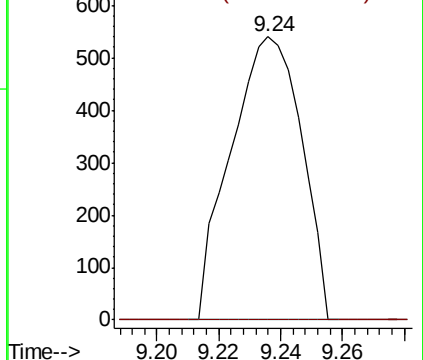
63 100

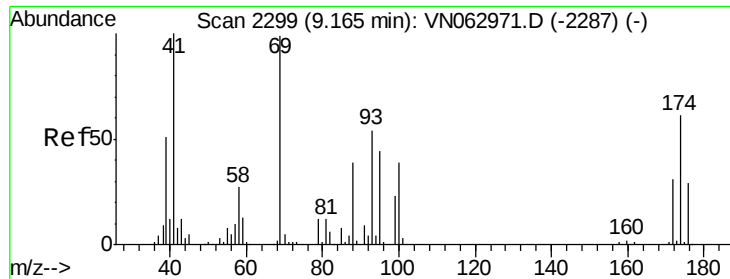
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN062987.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062987.D (-2181) (-)

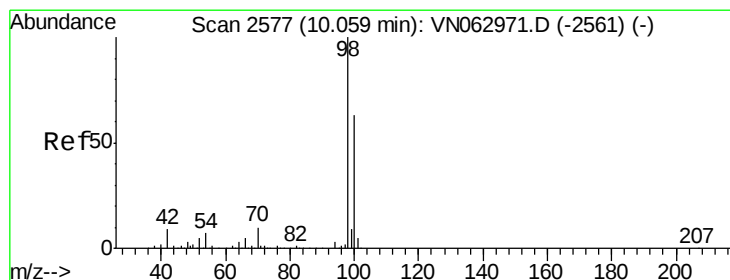
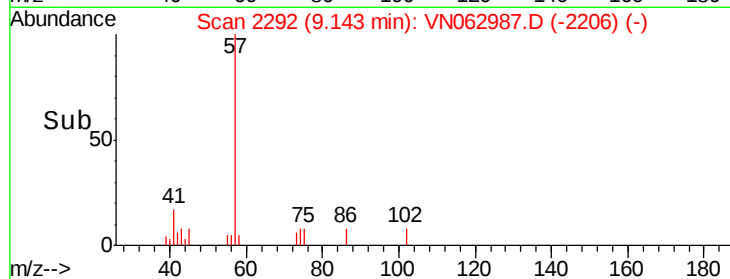
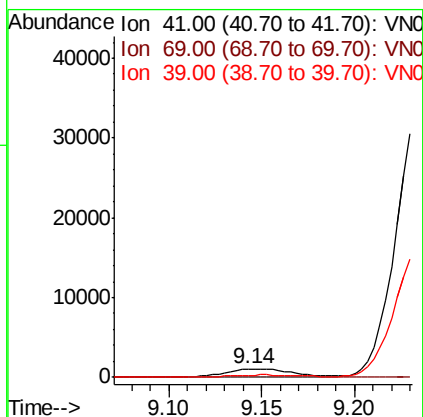
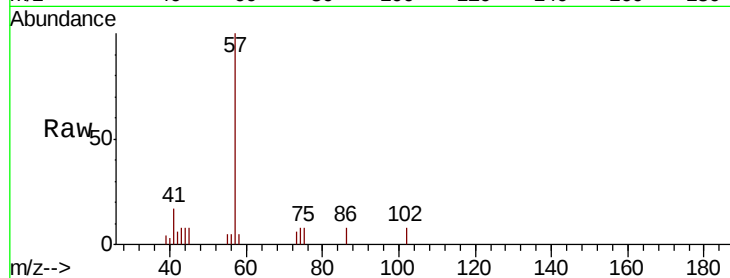




#48
Methyl methacrylate
Concen: 1.457 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

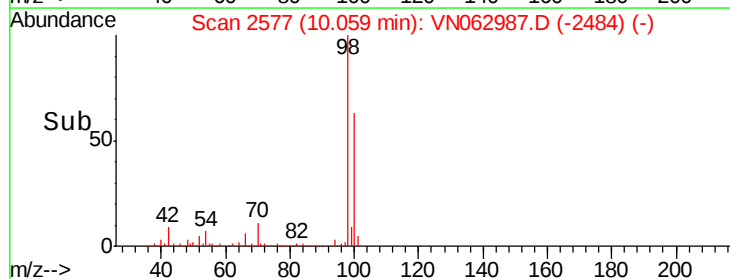
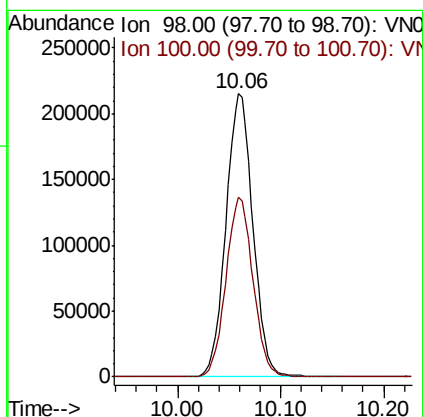
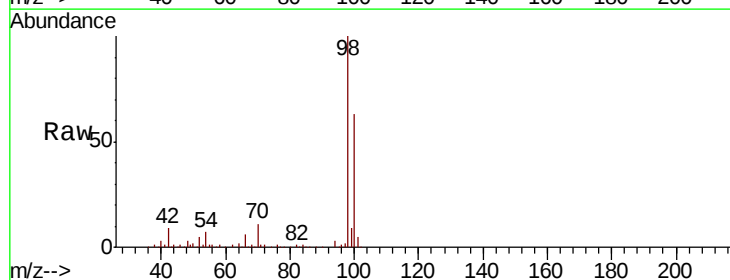
Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

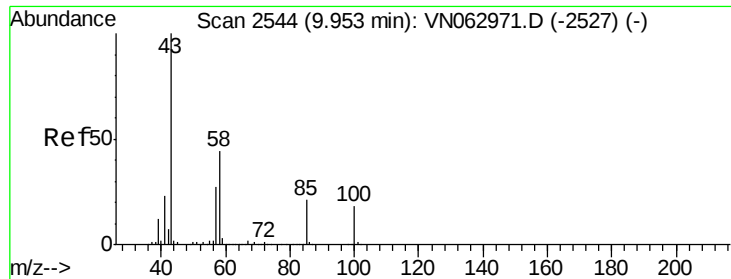
Tot Ion: 41 Resp: 2672
Ion Ratio Lower Upper
41 100
69 0.0 81.1 121.7#
39 0.0 42.4 63.6#



#50
Toluene-d8
Concen: 51.547 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Tgt Ion: 98 Resp: 392267
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4





#51

4-Methyl-2-Pentanone

Concen: 1.837 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampleId :

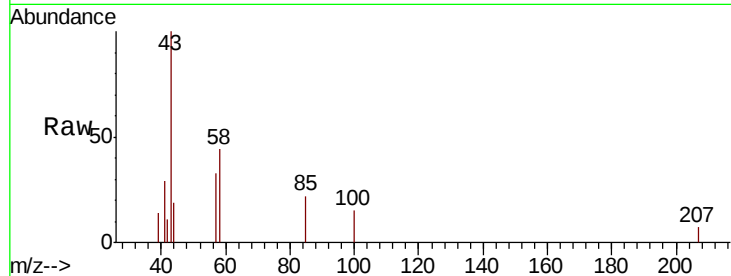
TR-08-081420

Tot Ion: 43 Resp: 4607

Ion Ratio Lower Upper

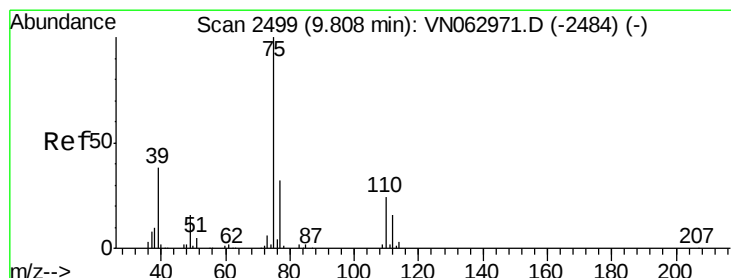
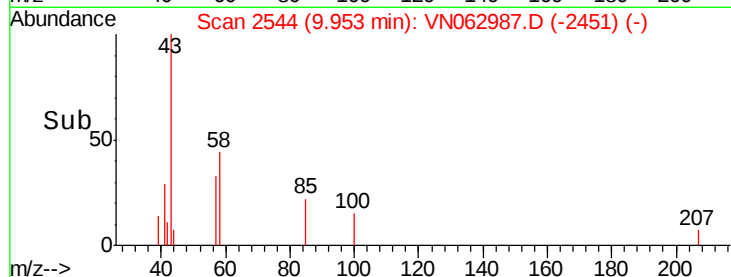
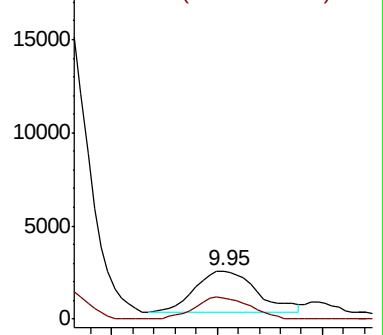
43 100

58 46.0 34.3 51.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.786 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

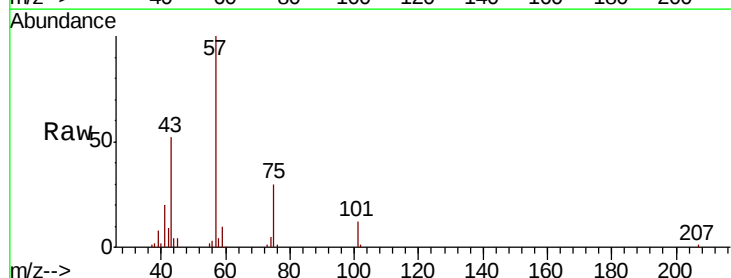
Tgt Ion: 75 Resp: 19362

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

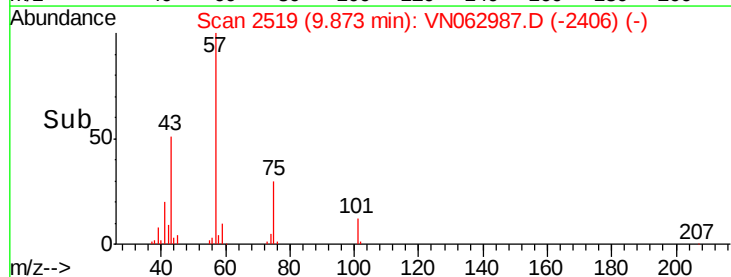
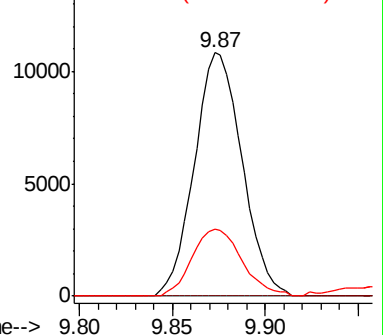
39 27.3 30.6 46.0#

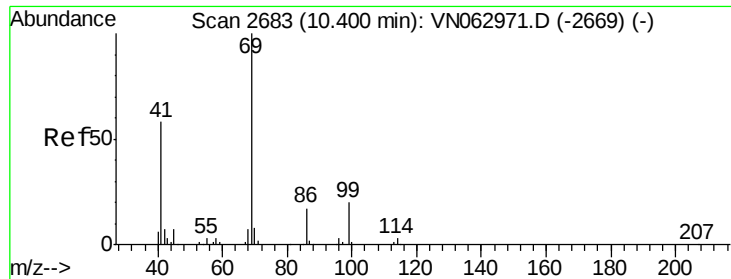


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 4.068 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampleId :

TR-08-081420

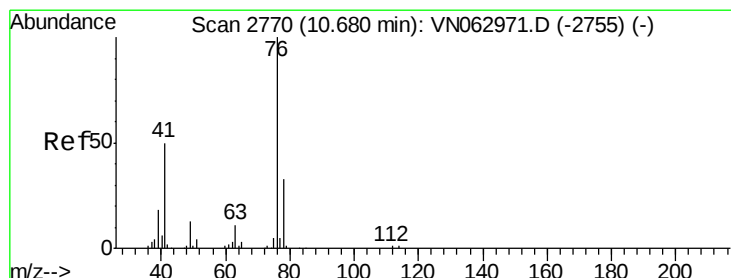
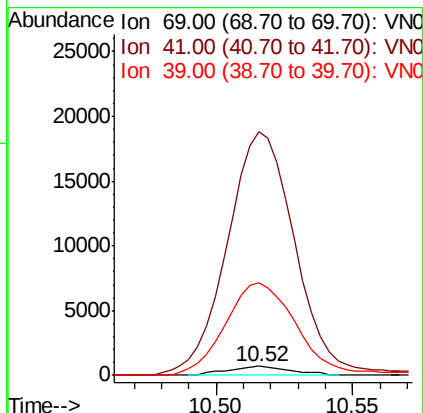
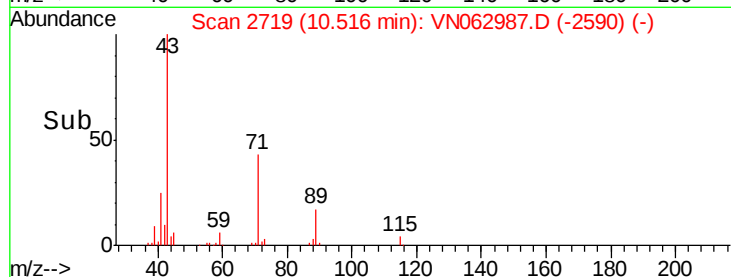
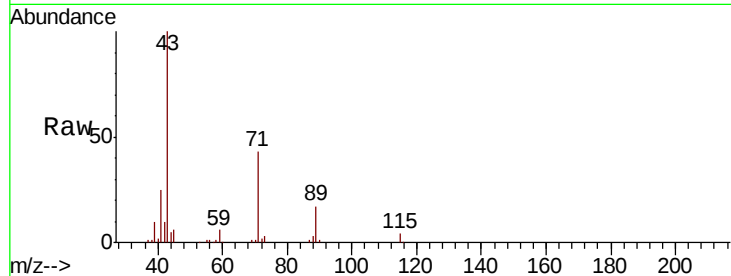
Tot Ion: 69 Resp: 1145

Ion Ratio Lower Upper

69 100

41 2854.1 46.0 69.0#

39 1131.6 23.4 35.0#



#57

1,3-Dichloropropane

Concen: 0.906 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062987.D

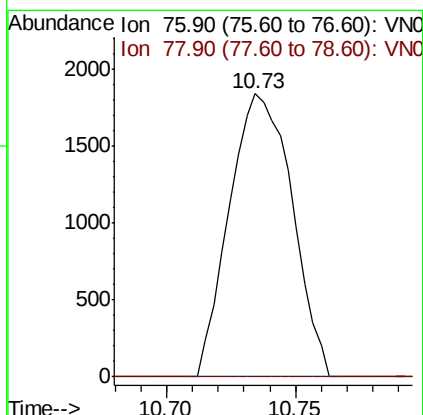
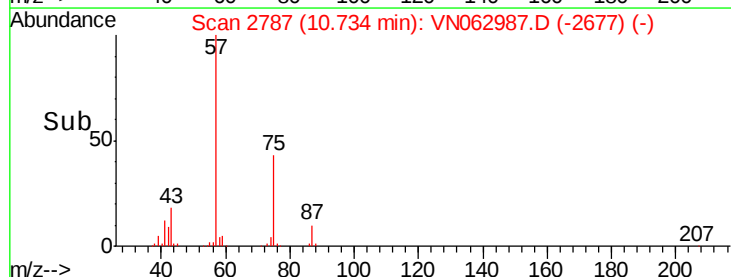
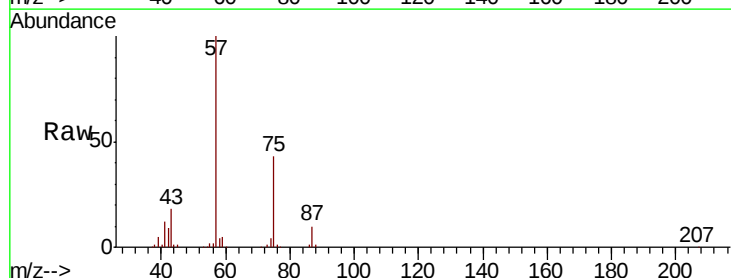
Acq: 17 Aug 2020 22:45

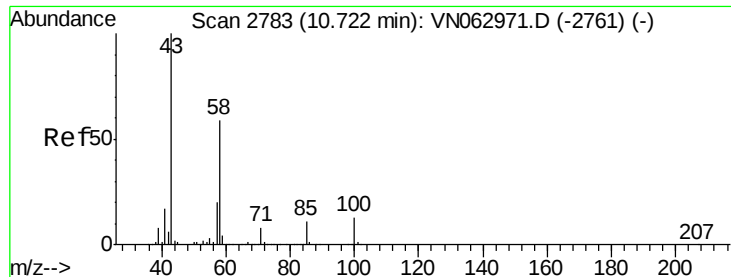
Tgt Ion: 76 Resp: 3123

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#





#59

2-Hexanone

Concen: 11.532 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

Instrument :

MSVOA_N

ClientSampled :

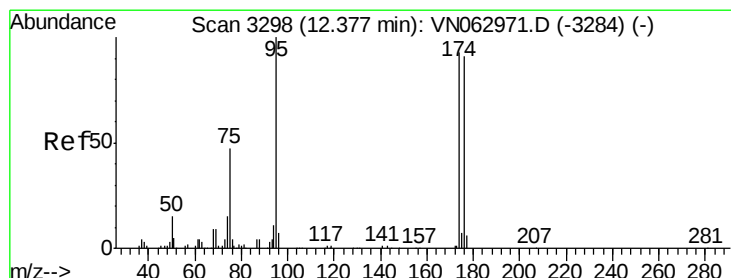
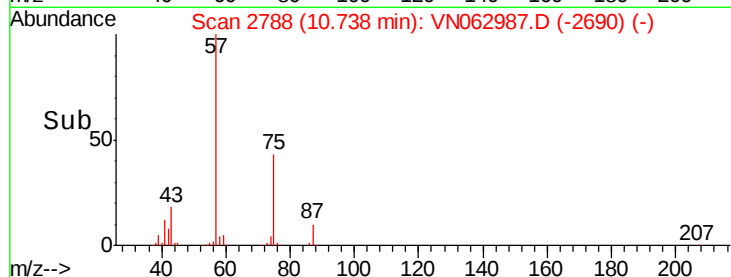
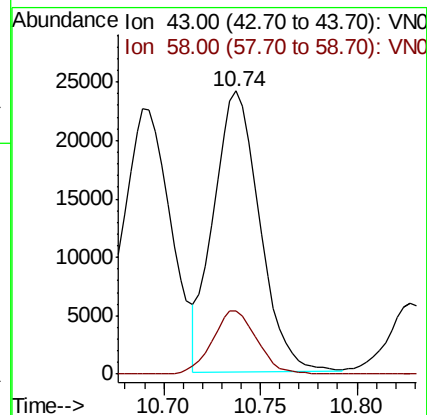
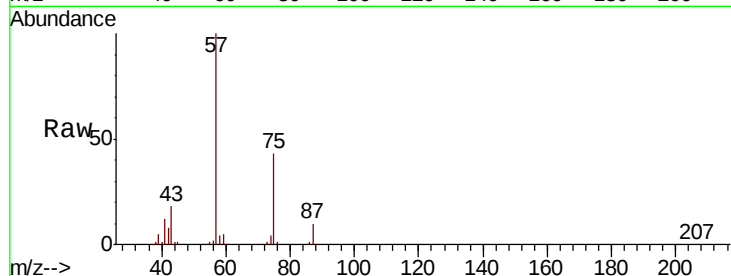
TR-08-081420

Tot Ion: 43 Resp: 40024

Ion Ratio Lower Upper

43 100

58 21.7 29.5 88.5#



#62

4-Bromofluorobenzene

Concen: 49.021 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062987.D

Acq: 17 Aug 2020 22:45

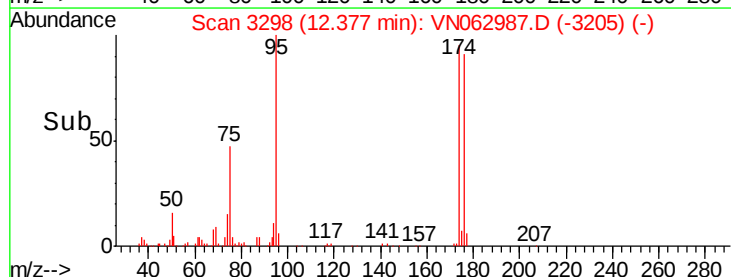
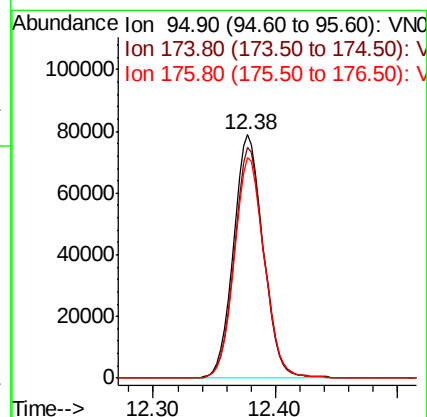
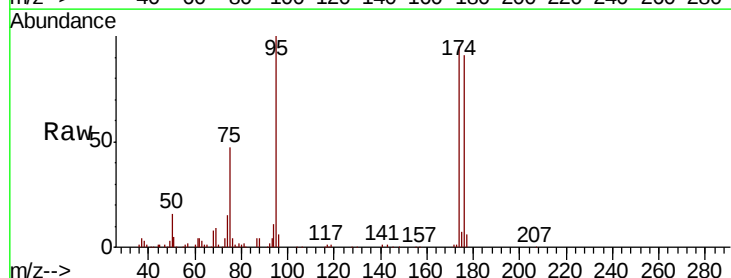
Tgt Ion: 95 Resp: 134047

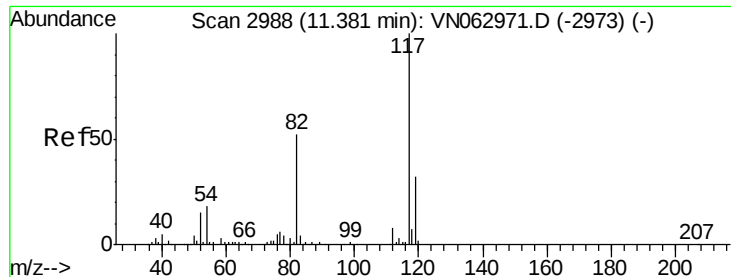
Ion Ratio Lower Upper

95 100

174 94.5 0.0 185.2

176 91.1 0.0 178.8

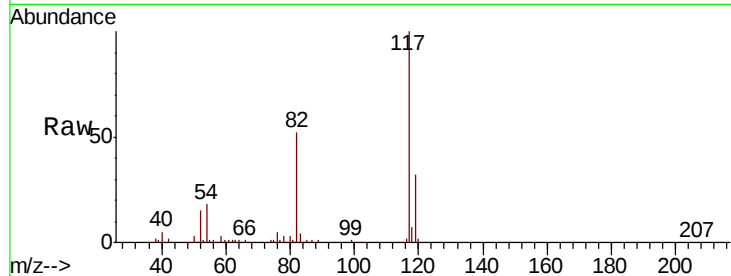




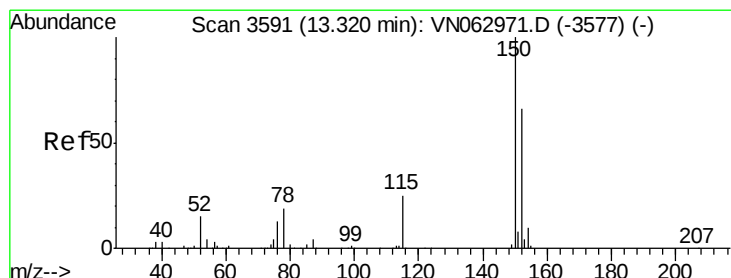
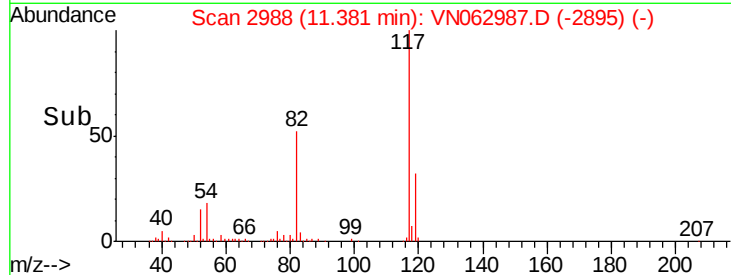
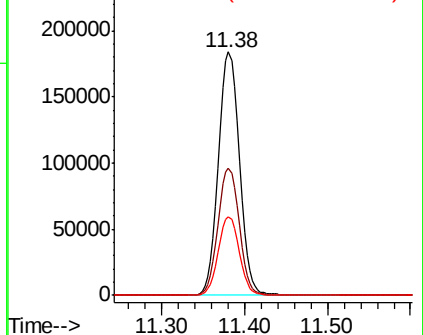
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.3	61.9
119	32.3	25.8	38.8

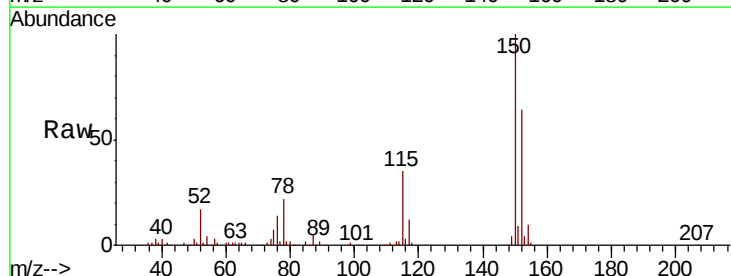


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

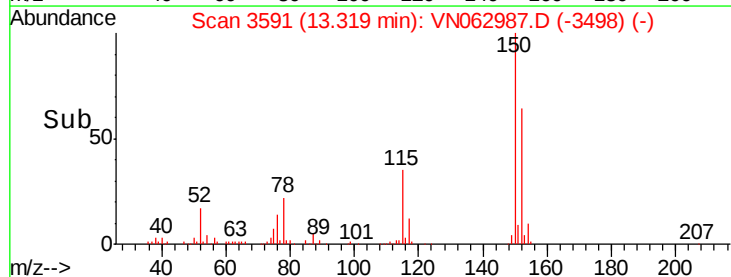
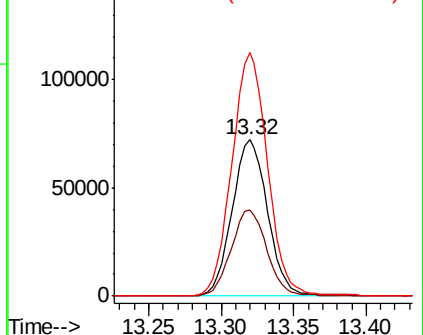


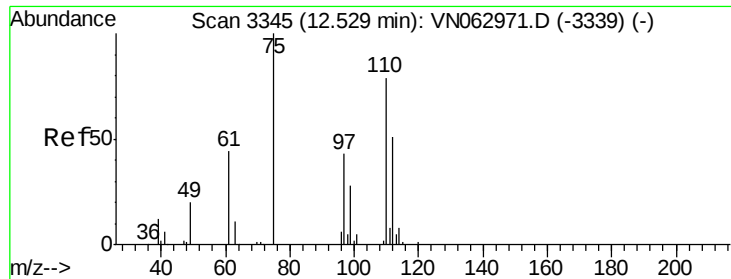
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062987.D
Acq: 17 Aug 2020 22:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.1	81.3
150	157.3	0.0	341.4



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

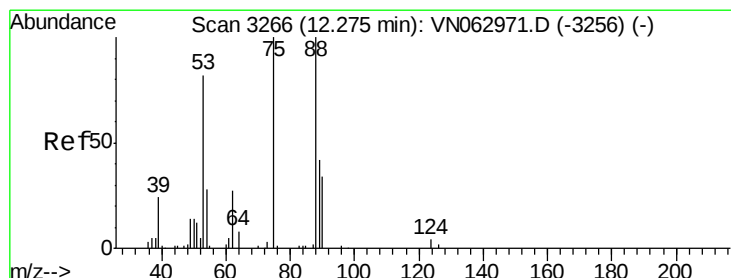
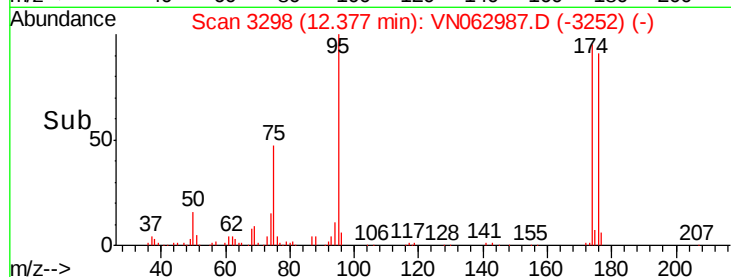
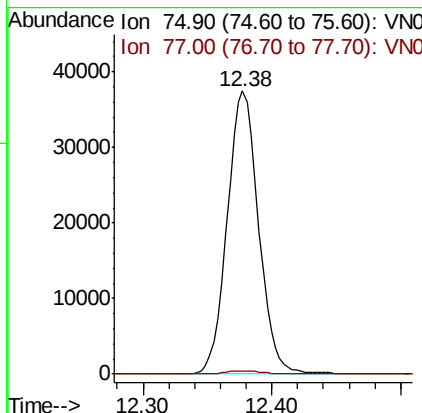
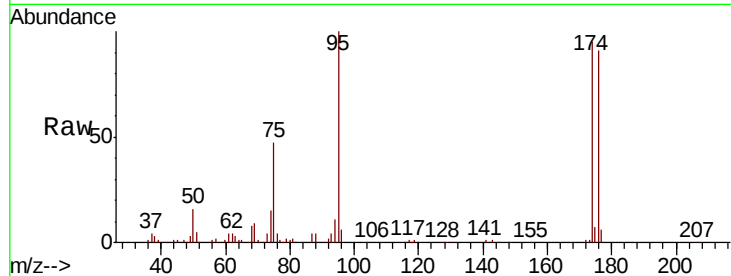




#76
 1,2,3-Trichloropropane
 Concen: 25.978 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

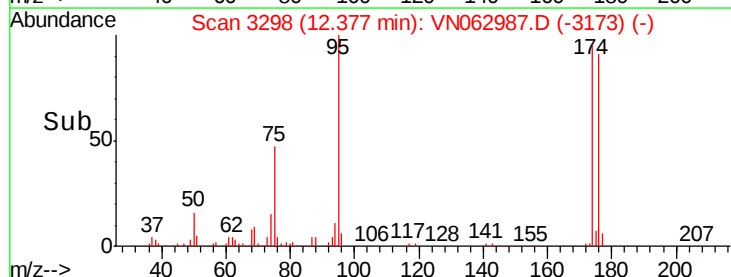
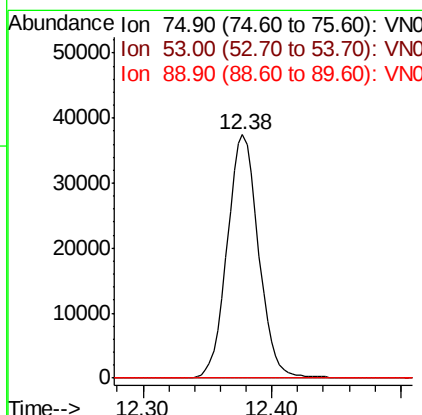
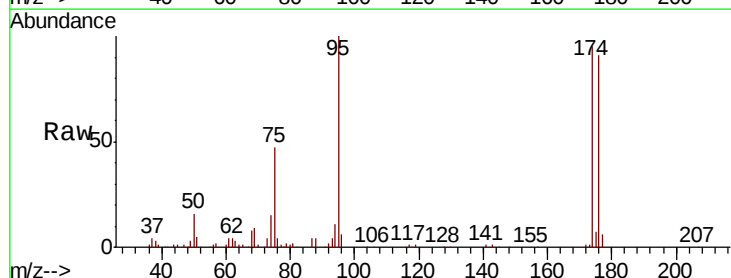
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

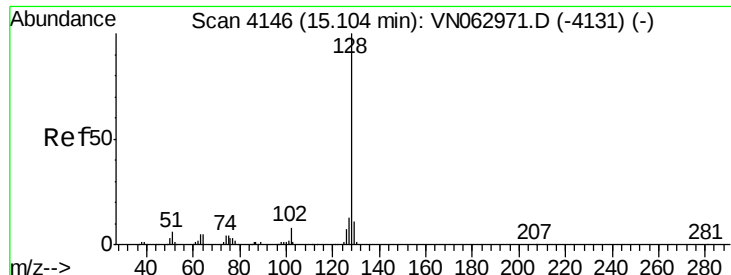
Tot Ion: 75 Resp: 63093
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.669 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

Tgt Ion: 75 Resp: 63093
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.2 99.2#
 89 0.0 35.0 52.4#





#95
 Naphthalene
 Concen: Below Cal
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062987.D
 Acq: 17 Aug 2020 22:45

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

