

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062306.D
 Acq On : 1 Jul 2020 20:56
 Operator : JC/MD
 Sample : L3127-06 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

Quant Time: Jul 02 06:56:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

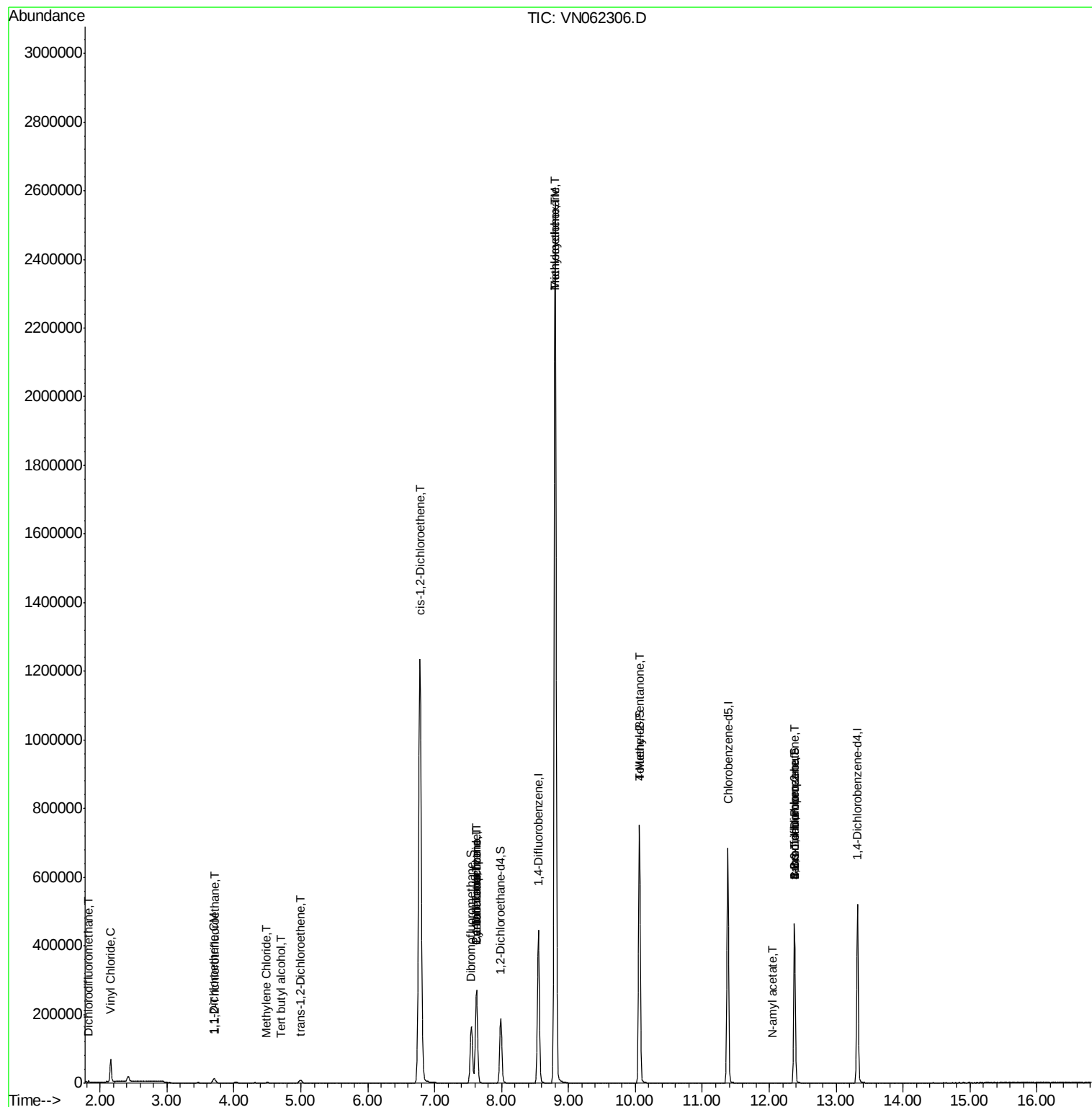
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	157222	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	7.55	113	128847	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.06	98	520471	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.38	95	164620	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	3646	1.551	ug/l	90
3) Chloromethane	2.03	50	109	Below Cal	#	41
4) Vinyl Chloride	2.16	62	58714	15.863	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	4457	1.866	ug/l #	71
11) Tert butyl alcohol	4.69	59	176	0.420	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	4799	2.010	ug/l	91
16) Acetone	3.78	43	398	Below Cal	#	40
20) Methylene Chloride	4.50	84	1299	0.269	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	2595	0.954	ug/l	95
27) cis-1,2-Dichloroethene	6.78	96	834639	272.708	ug/l	92
31) Cyclohexane	7.62	56	4978	1.235	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	18522	4.629	ug/l #	47
38) Carbon Tetrachloride	7.62	117	22370	5.930	ug/l #	15
39) Methylcyclohexane	8.80	83	11944	2.724	ug/l #	1
44) Trichloroethene	8.80	130	920360	299.172	ug/l	95
51) 4-Methyl-2-Pentanone	10.06	43	2191	0.694	ug/l #	1
71) Bromoform	12.38	173	1383	0.662	ug/l #	1
74) N-amyl acetate	12.06	43	67	3.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	85287	26.343	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	85287	76.932	ug/l #	13

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062306.D
Acq On : 1 Jul 2020 20:56
Operator : JC/MD
Sample : L3127-06 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20200625

Quant Time: Jul 02 06:56:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

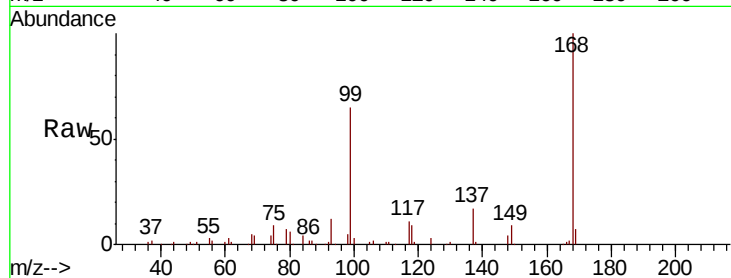
DUP01-20200625

Tot Ion:168 Resp: 207929

Ion Ratio Lower Upper

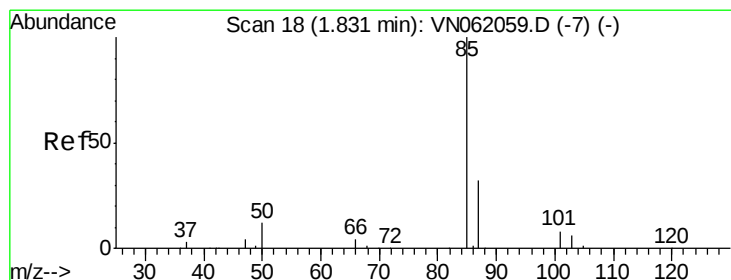
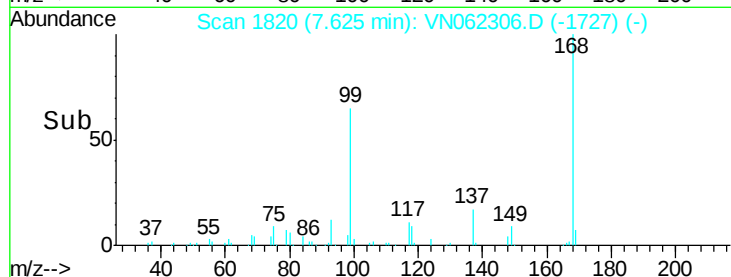
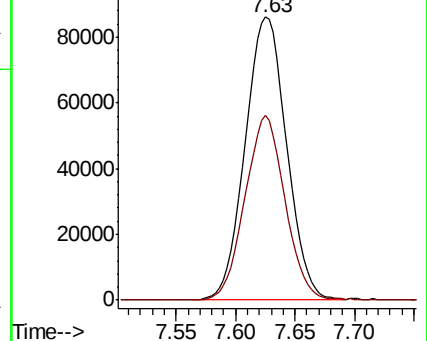
168 100

99 65.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.551 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062306.D

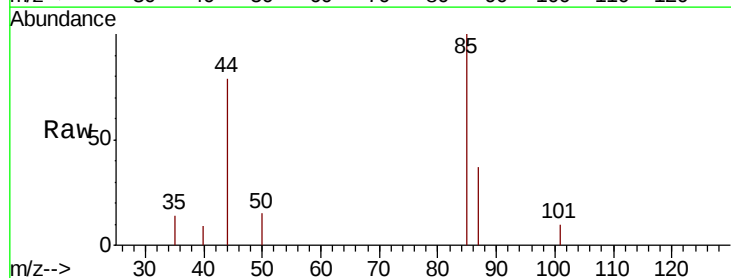
Acq: 1 Jul 2020 20:56

Tgt Ion: 85 Resp: 3646

Ion Ratio Lower Upper

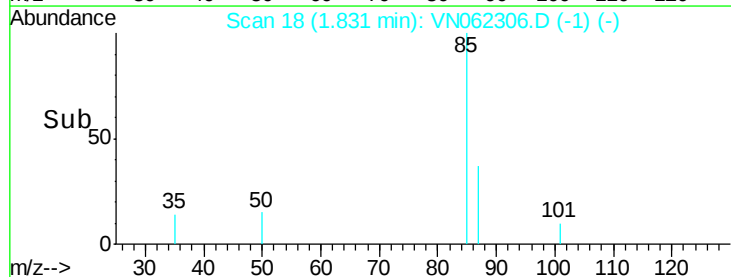
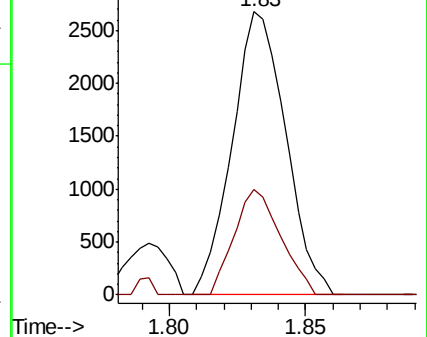
85 100

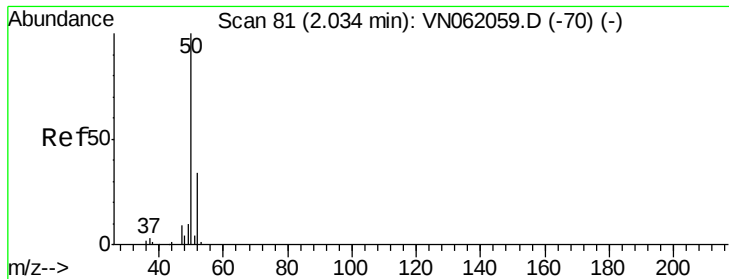
87 37.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

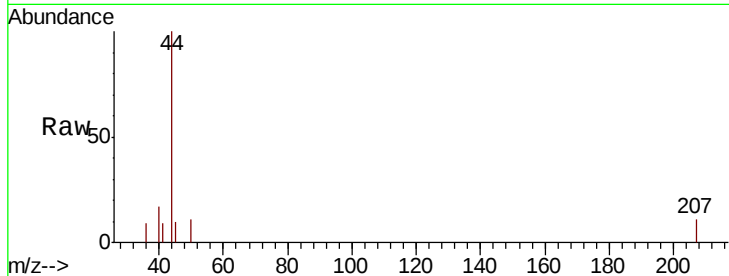
DUP01-20200625

Tot Ion: 50 Resp: 109

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

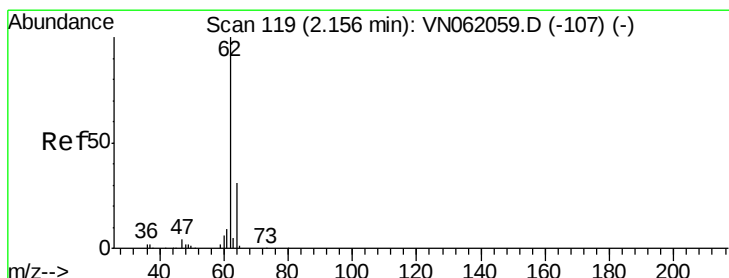
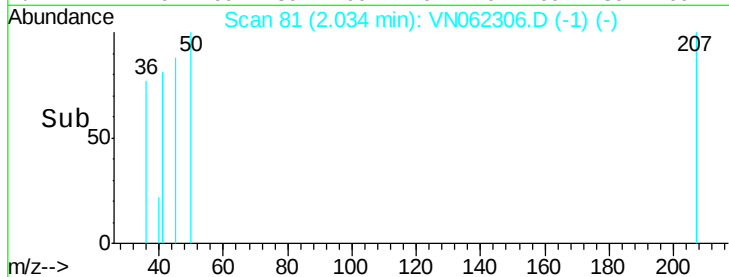
Ion 51.90 (51.60 to 52.60): VN0

2.03

2.04

2.04

Time-->



#4

Vinyl Chloride

Concen: 15.863 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062306.D

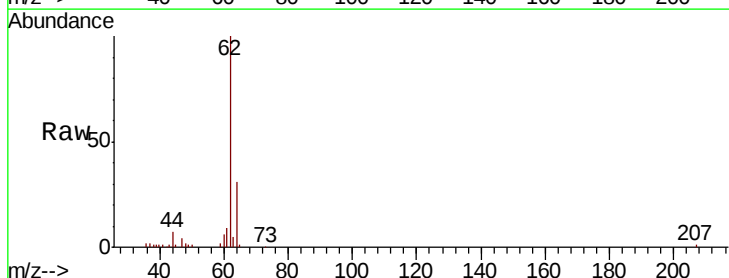
Acq: 1 Jul 2020 20:56

Tgt Ion: 62 Resp: 58714

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

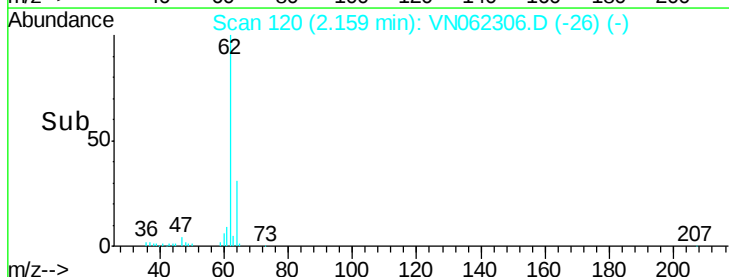
Ion 63.90 (63.60 to 64.60): VN0

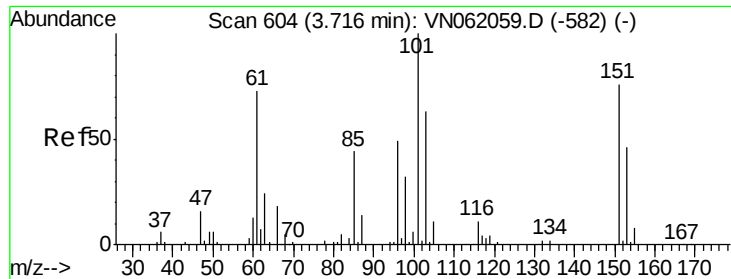
2.16

2.20

2.25

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.866 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20200625

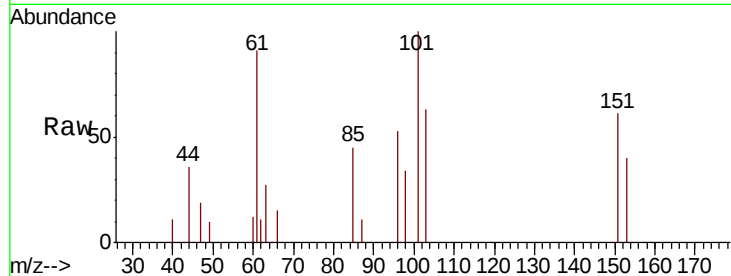
Tot Ion:101 Resp: 4457

Ion Ratio Lower Upper

101 100

85 31.1 34.5 51.7#

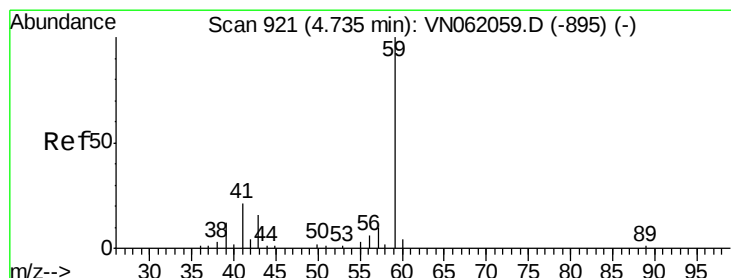
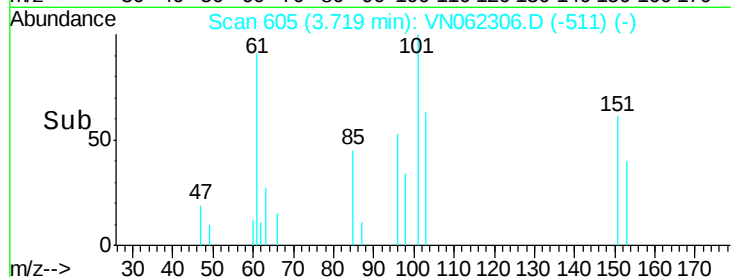
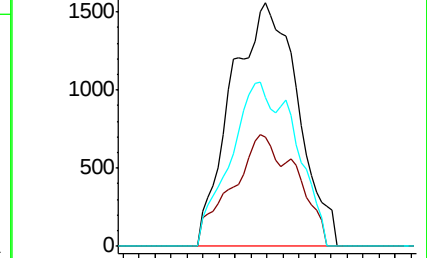
151 43.5 57.8 86.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.420 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN062306.D

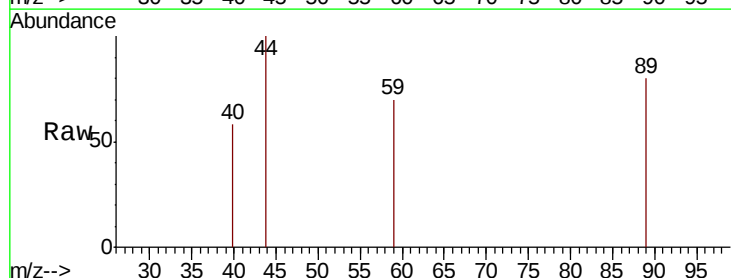
Acq: 1 Jul 2020 20:56

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

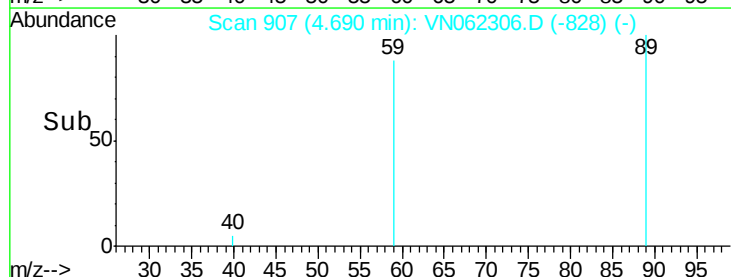
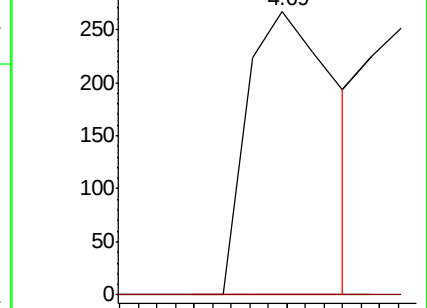
59 100

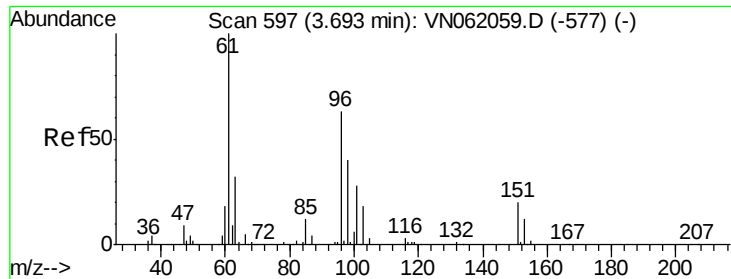
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

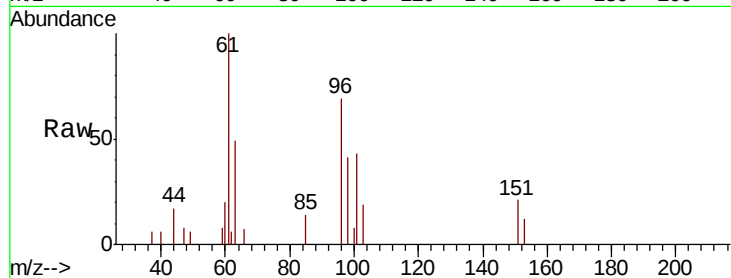




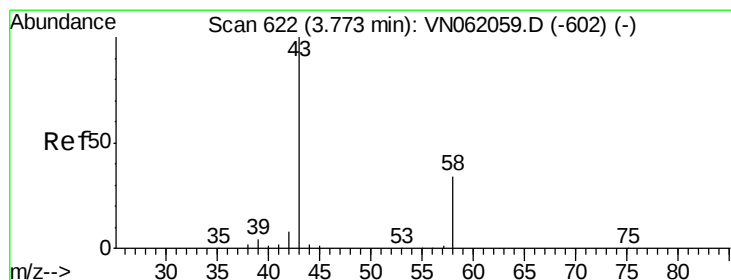
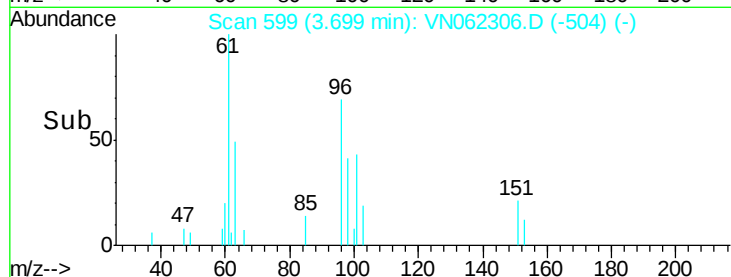
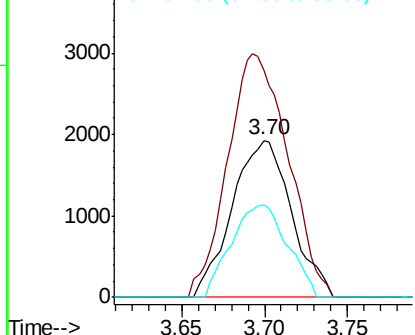
#12
 1,1-Dichloroethene
 Concen: 2.010 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

Tot Ion: 96 Resp: 4799
 Ion Ratio Lower Upper
 96 100
 61 144.9 126.7 190.1
 98 59.1 51.0 76.4

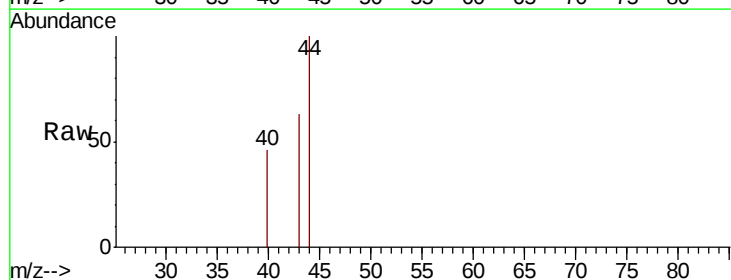


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

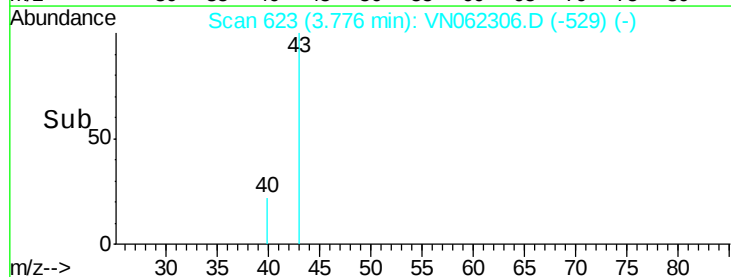
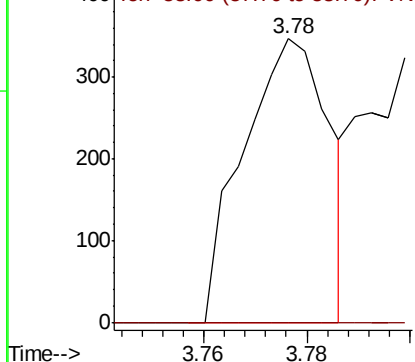


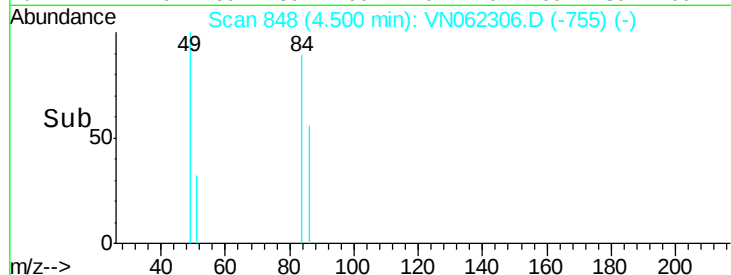
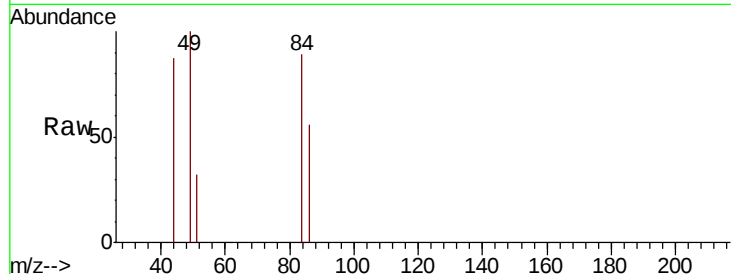
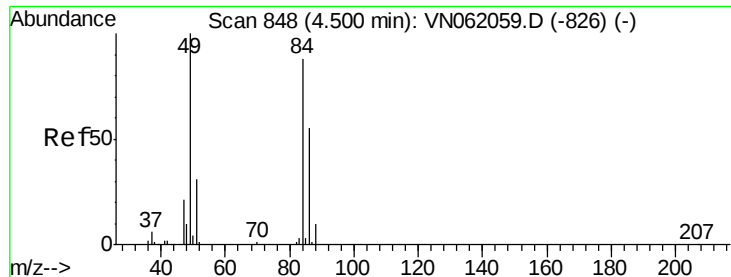
#16
 Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Tgt Ion: 43 Resp: 398
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#



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

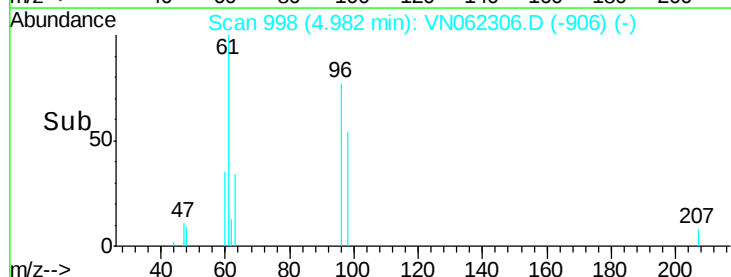
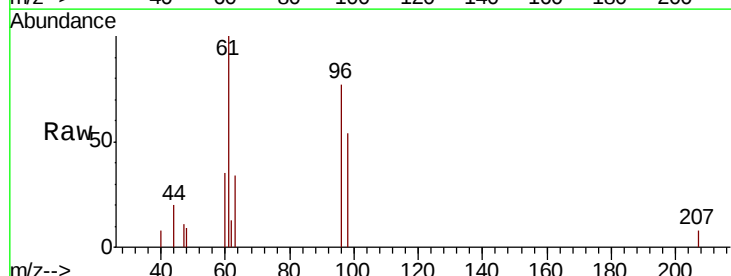
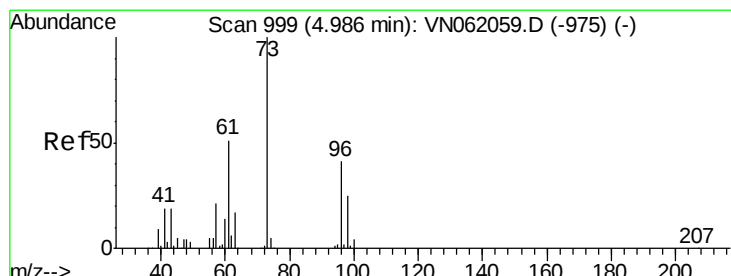
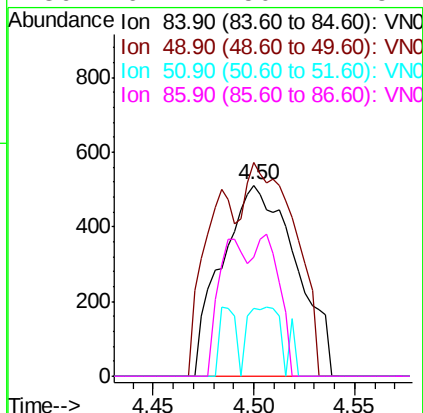




#20
Methvlene Chloride
Concen: 0.269 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062306.D
Acq: 1 Jul 2020 20:56

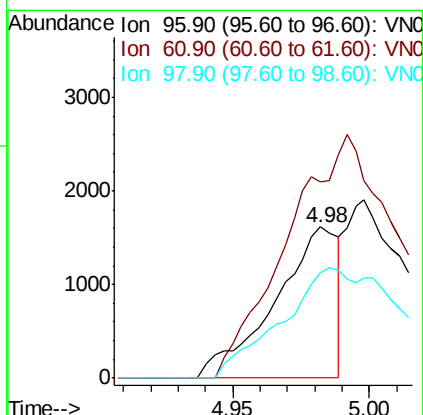
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20200625

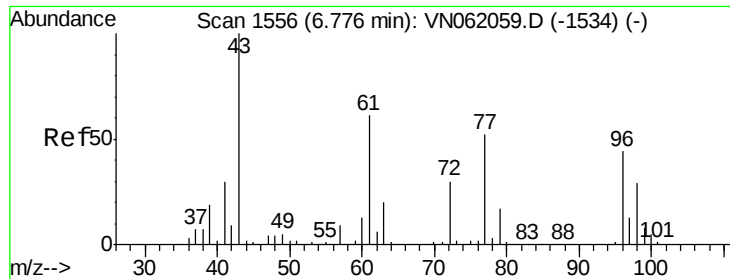
Tot Ion:	84	Resp:	1299
Ion	Ratio	Lower	Upper
84	100		
49	111.9	90.6	136.0
51	35.6	27.8	41.8
86	62.2	50.1	75.1



#21
trans-1,2-Dichloroethene
Concen: 0.954 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN062306.D
Acq: 1 Jul 2020 20:56

Tgt Ion:	96	Resp:	2595
Ion	Ratio	Lower	Upper
96	100		
61	129.7	101.4	152.2
98	70.0	49.3	73.9





#27

cis-1,2-Dichloroethene

Concen: 272.708 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20200625

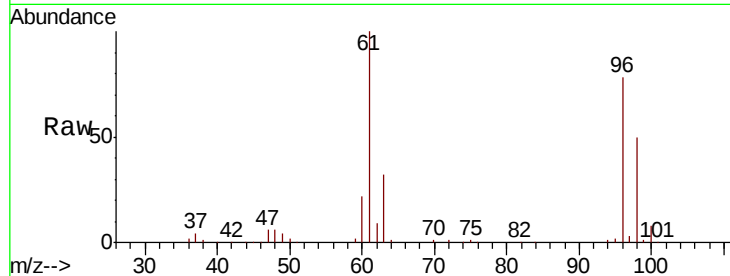
Tot Ion: 96 Resp: 834639

Ion Ratio Lower Upper

96 100

61 126.2 0.0 280.4

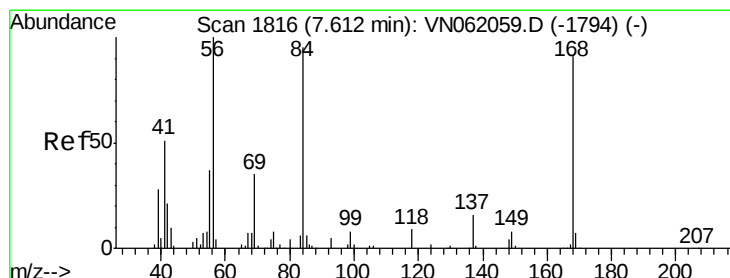
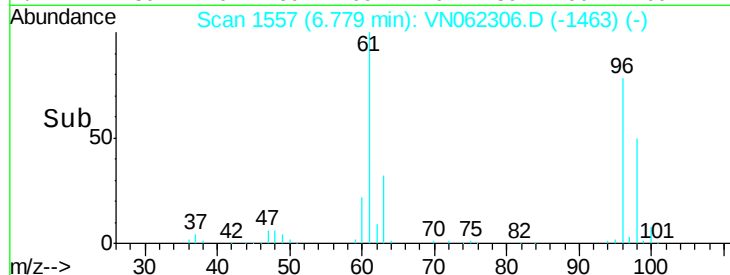
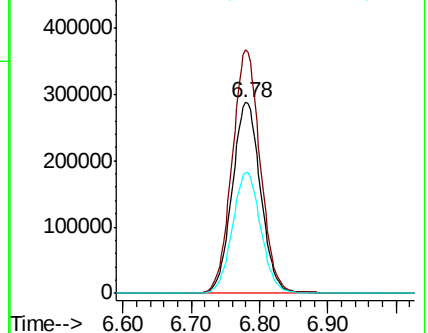
98 63.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062306.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062306.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062306.D (-1463) (-)



#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

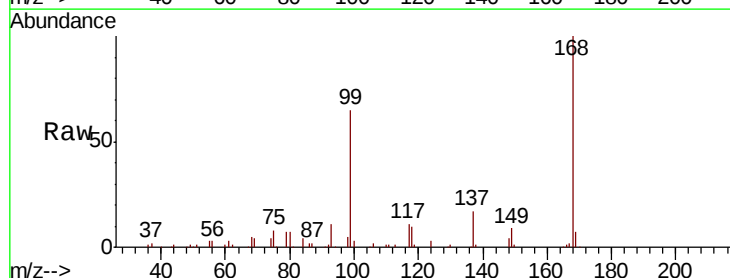
Tgt Ion: 56 Resp: 4978

Ion Ratio Lower Upper

56 100

69 170.2 28.0 42.0#

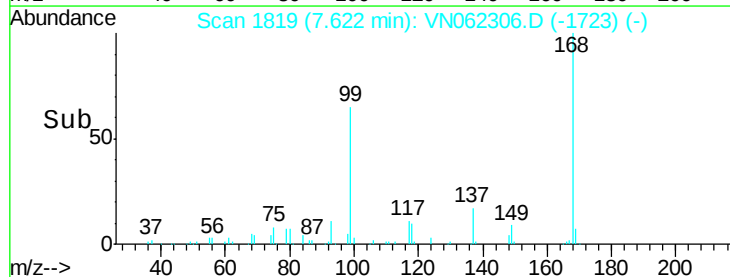
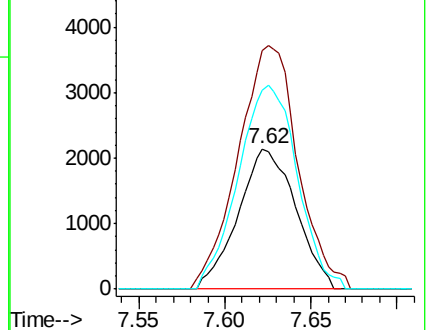
84 142.1 76.1 114.1#

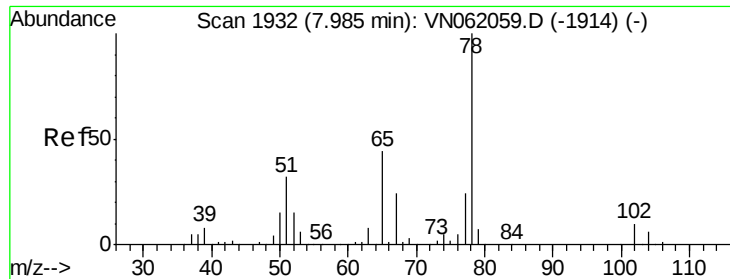


Abundance Ion 56.00 (55.70 to 56.70): VN062306.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062306.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062306.D (-1723) (-)

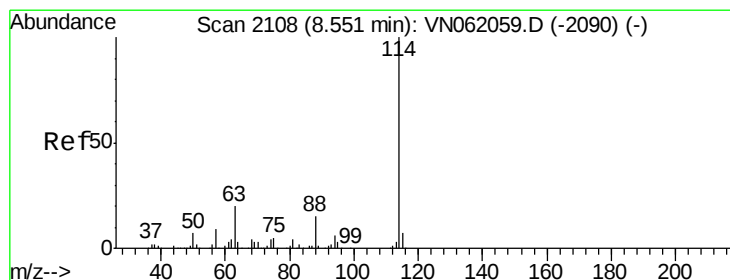
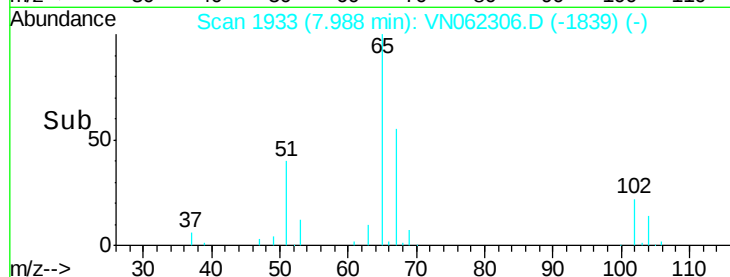
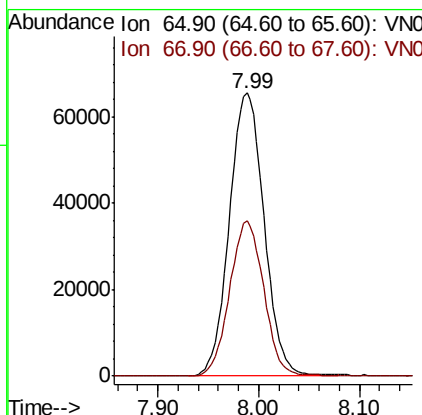
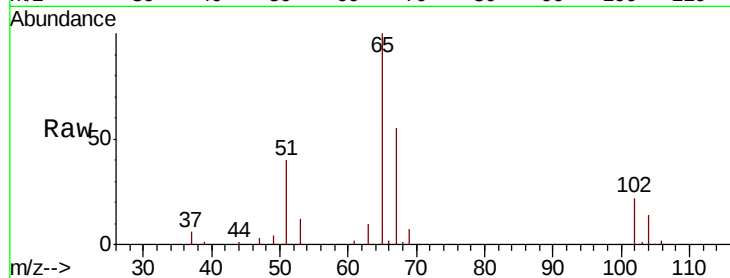




#33
 1,2-Dichloroethane-d4
 Concen: 53.881 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

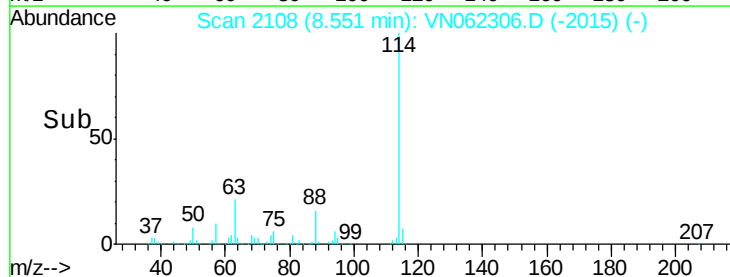
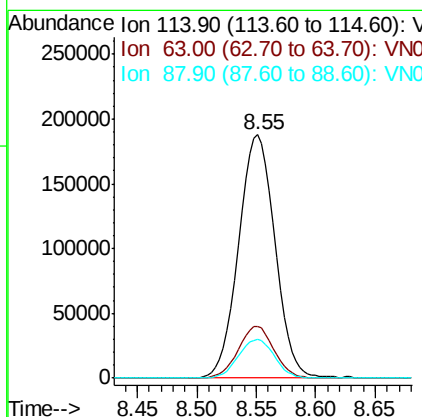
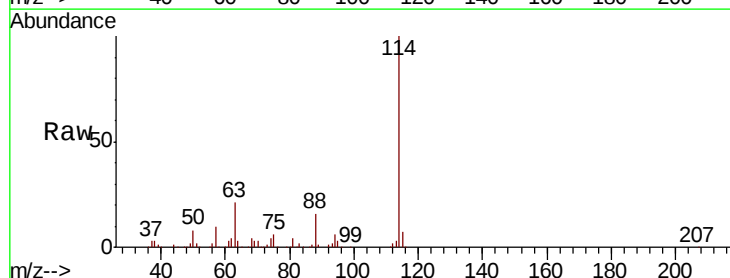
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

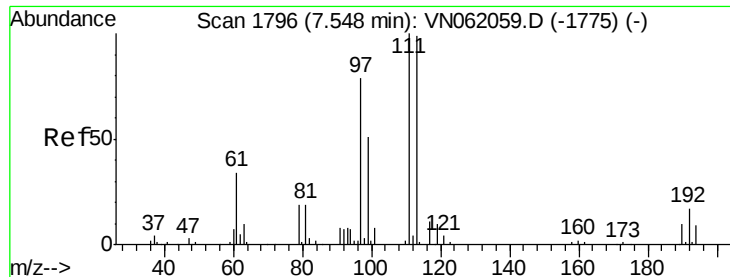
Tot Ion: 65 Resp: 157222
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Tgt Ion: 114 Resp: 398071
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.2
 88 15.9 0.0 30.8

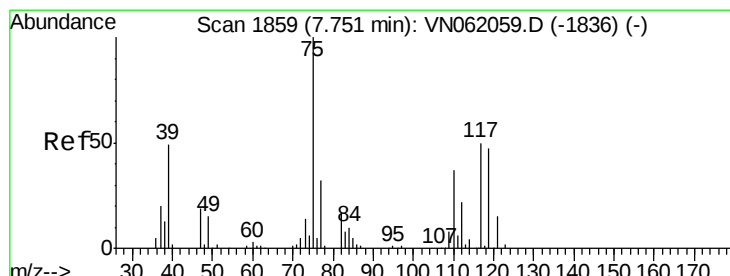
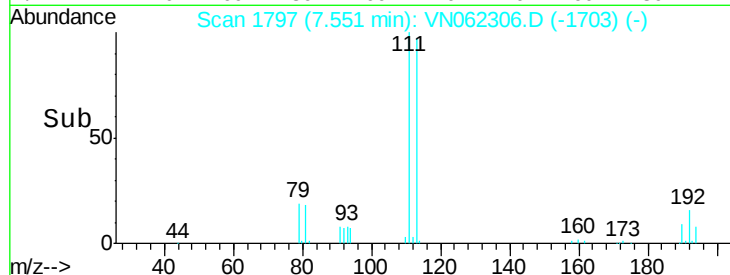
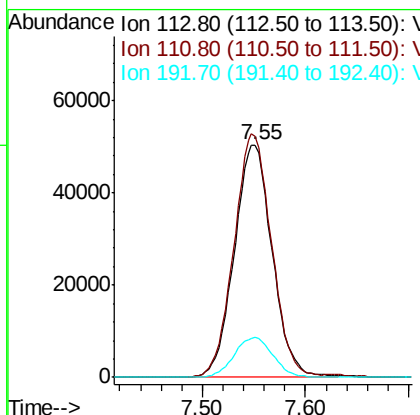
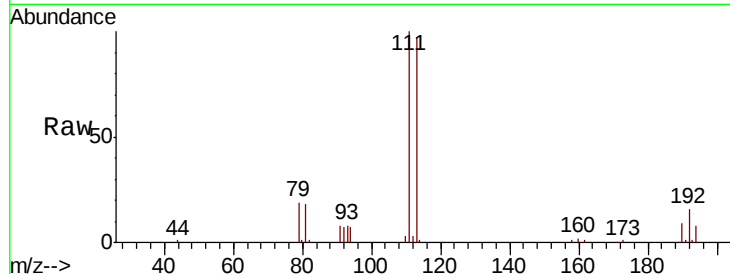




#35
 Dibromofluoromethane
 Concen: 50.453 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

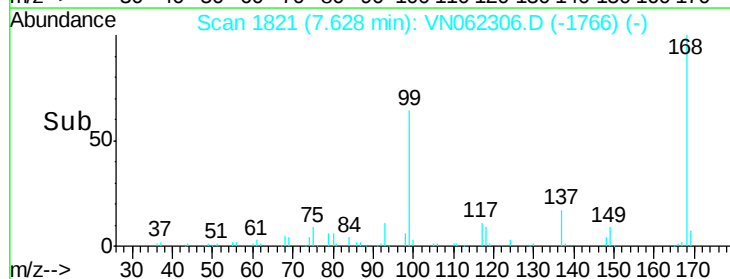
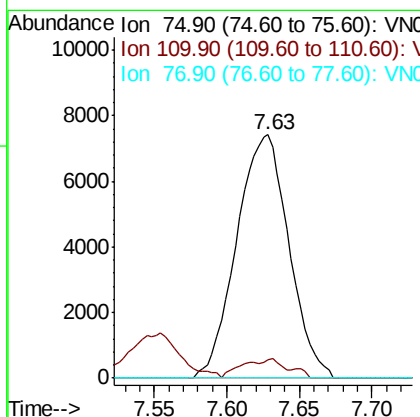
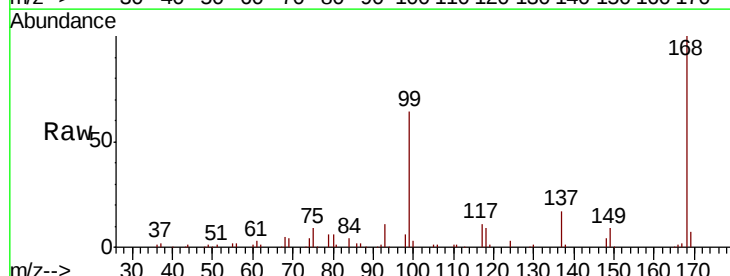
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

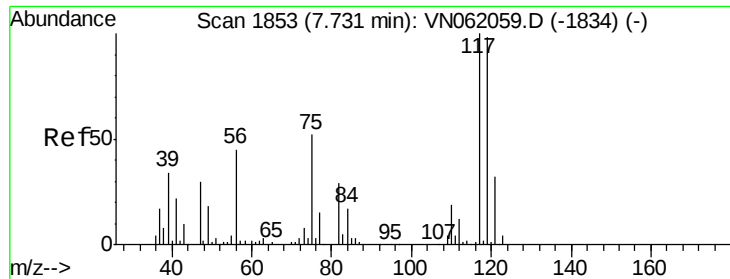
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	17.4	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.2	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20200625

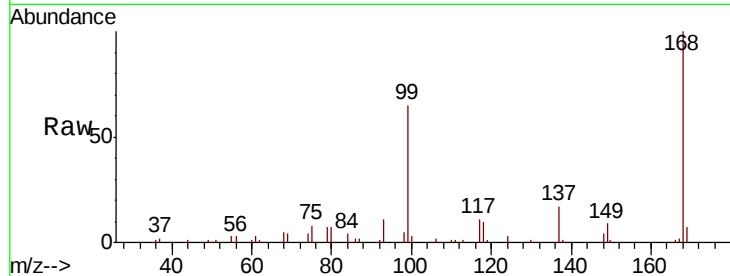
Tot Ion:117 Resp: 22370

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

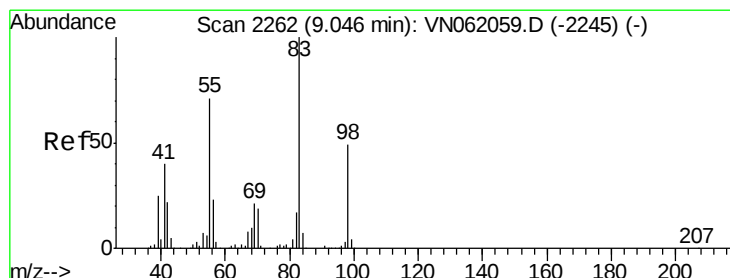
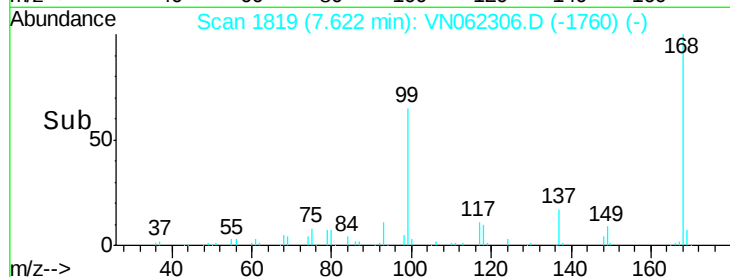
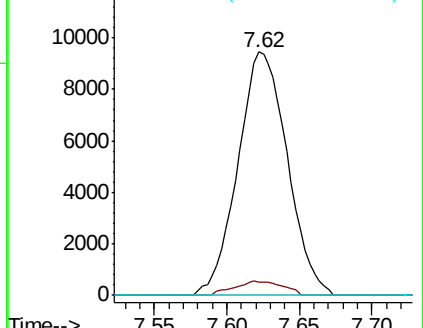
121 0.0 25.8 38.6#



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



#39

Methylcyclohexane

Concen: 2.724 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

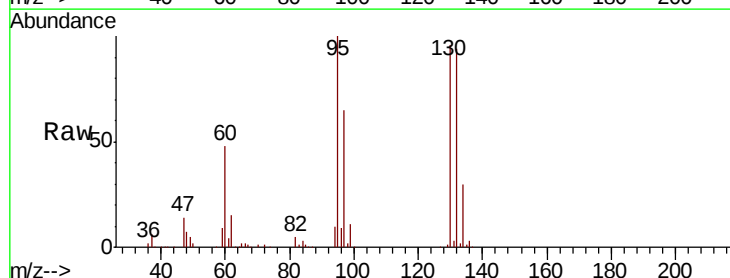
Tgt Ion: 83 Resp: 11944

Ion Ratio Lower Upper

83 100

55 0.0 57.0 85.6#

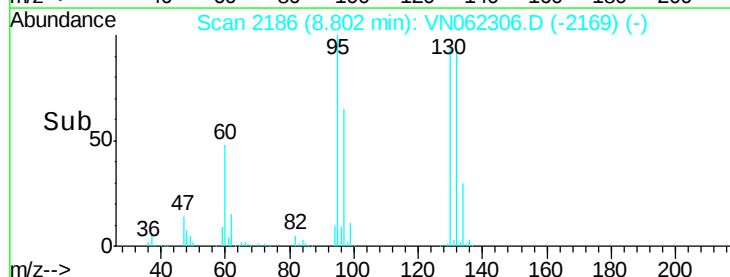
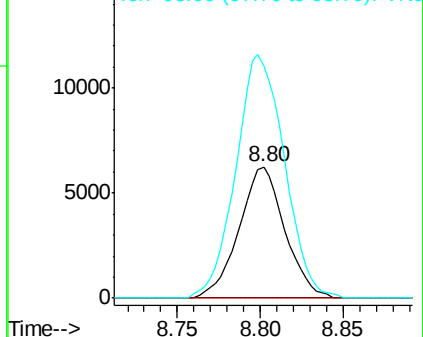
98 176.6 39.0 58.6#

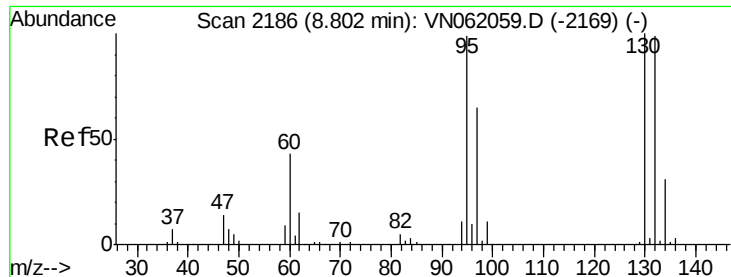


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 299.172 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

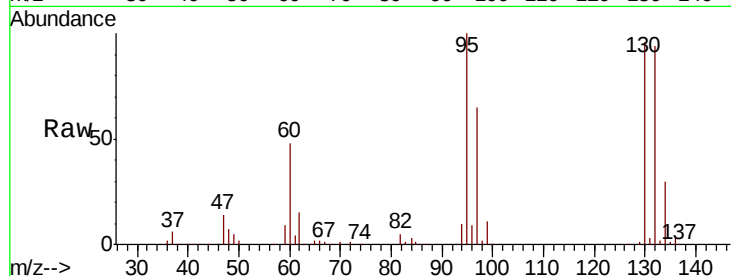
DUP01-20200625

Tot Ion:130 Resp: 920360

Ion Ratio Lower Upper

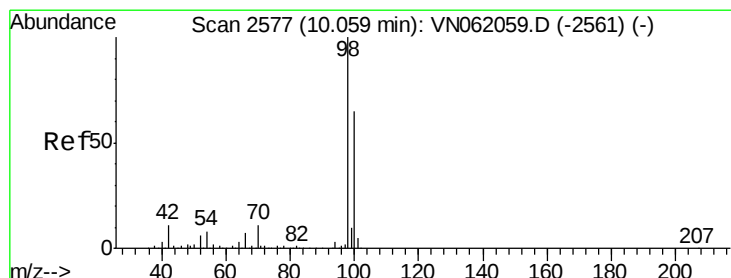
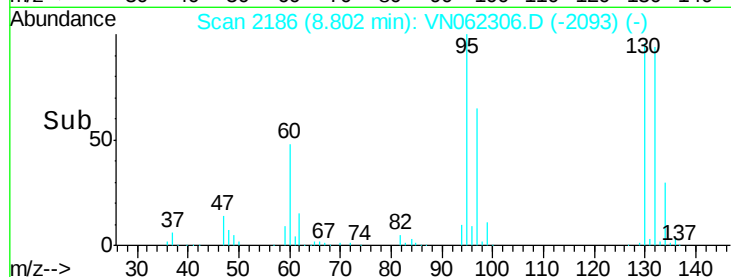
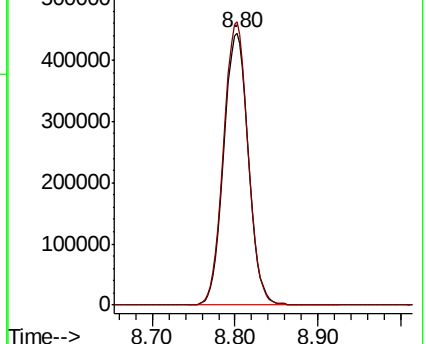
130 100

95 104.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.984 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062306.D

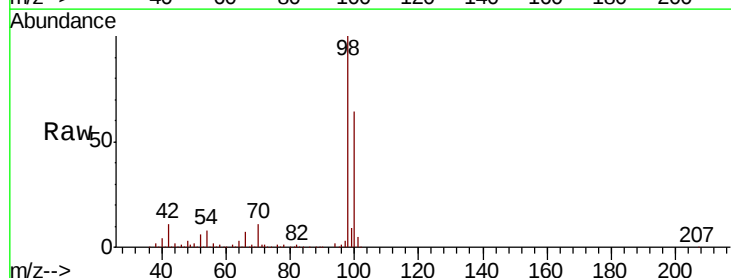
Acq: 1 Jul 2020 20:56

Tgt Ion: 98 Resp: 520471

Ion Ratio Lower Upper

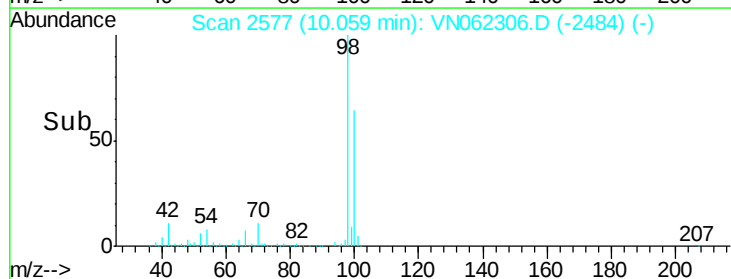
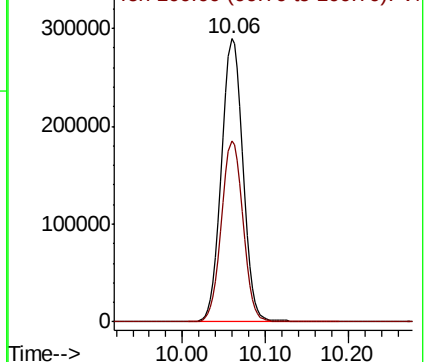
98 100

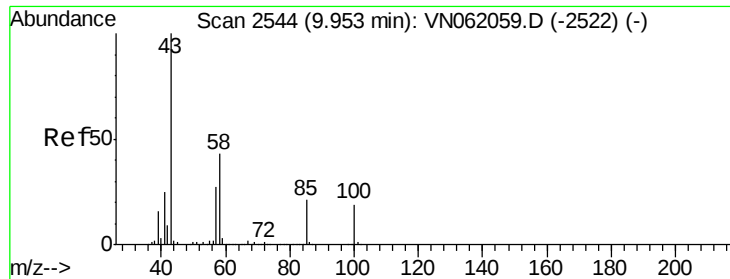
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

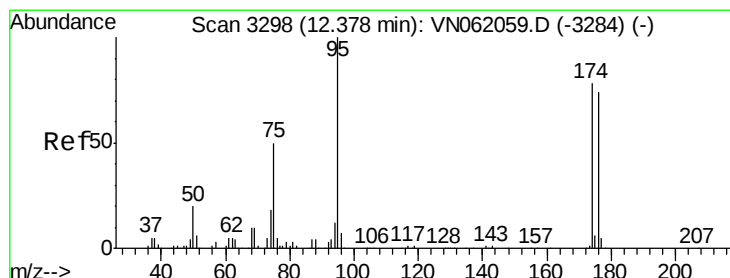
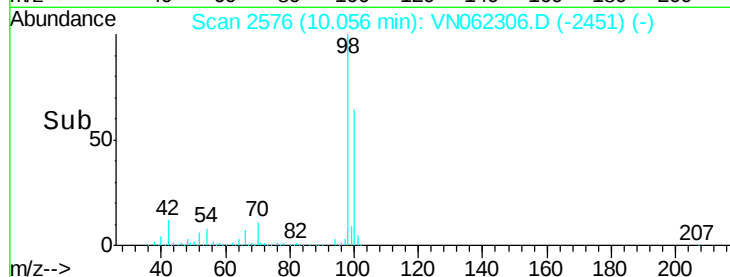
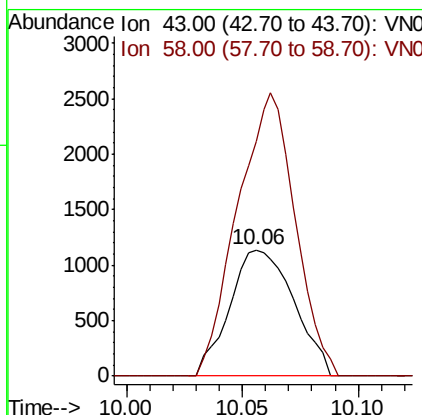
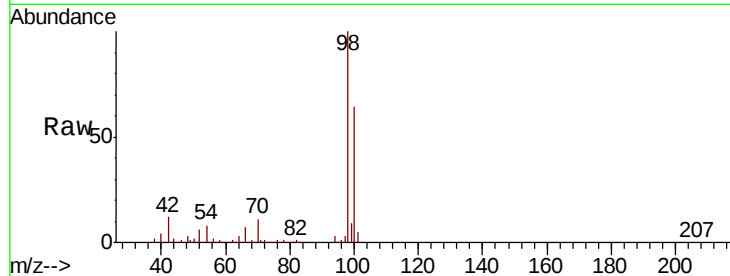




#51
 4-Methyl-2-Pentanone
 Concen: 0.694 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

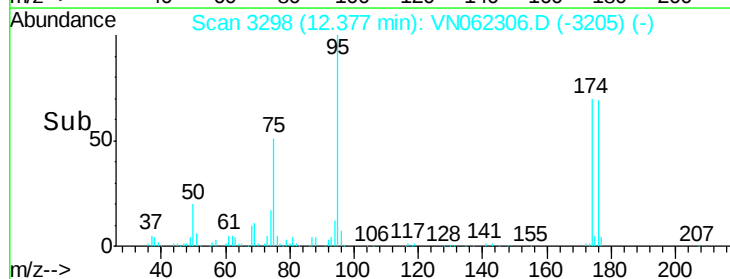
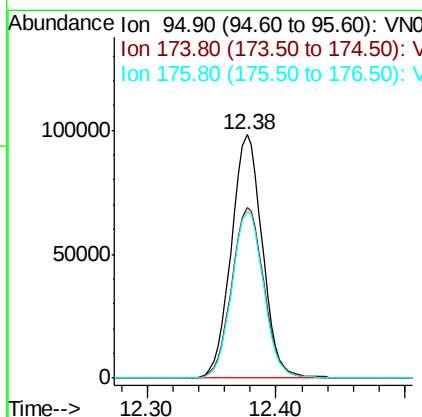
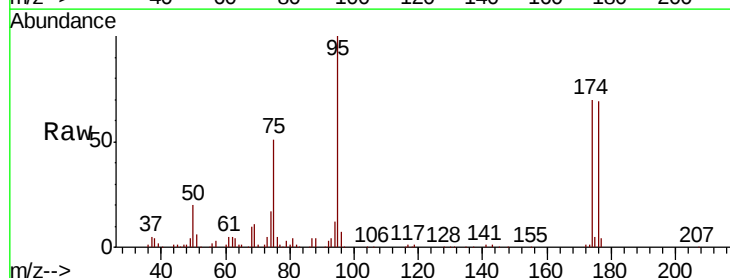
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

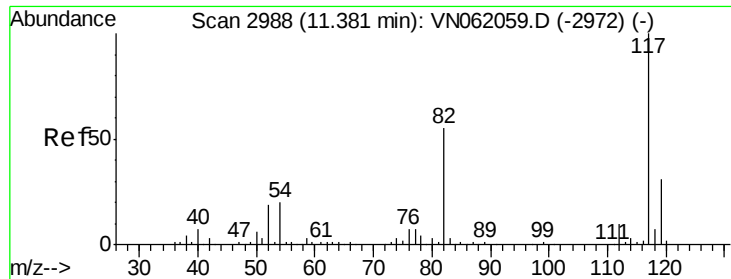
Tot Ion: 43 Resp: 2191
 Ion Ratio Lower Upper
 43 100
 58 201.4 34.2 51.2#



#62
 4-Bromofluorobenzene
 Concen: 47.730 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Tgt Ion: 95 Resp: 164620
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 154.8
 176 70.0 0.0 147.4

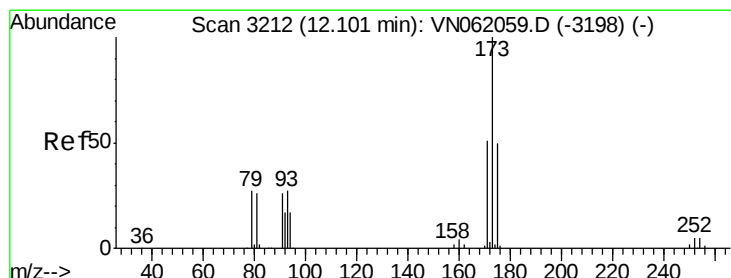
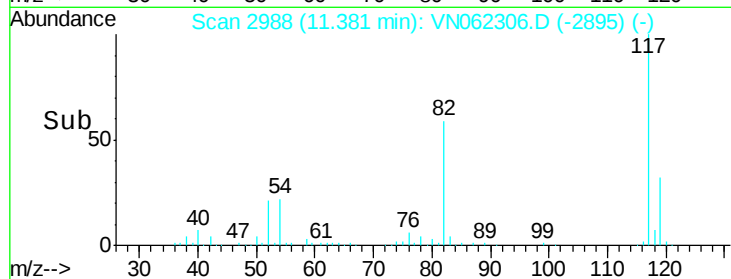
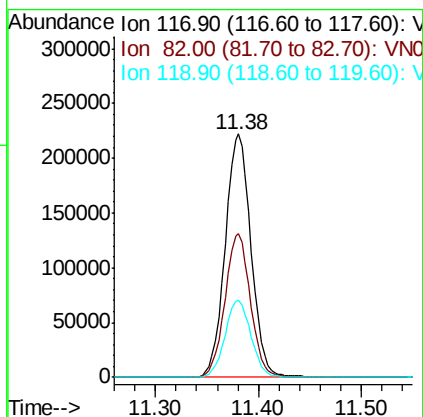
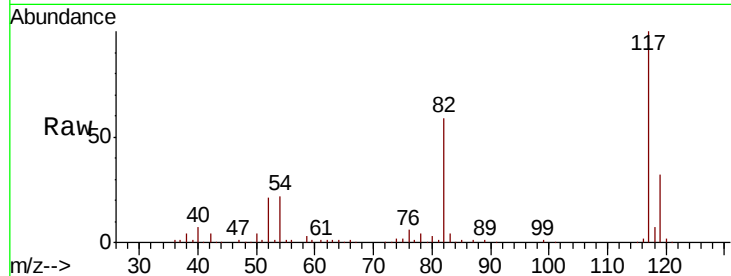




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062306.D
Acq: 1 Jul 2020 20:56

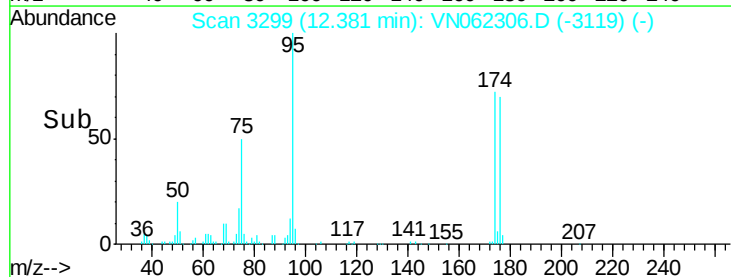
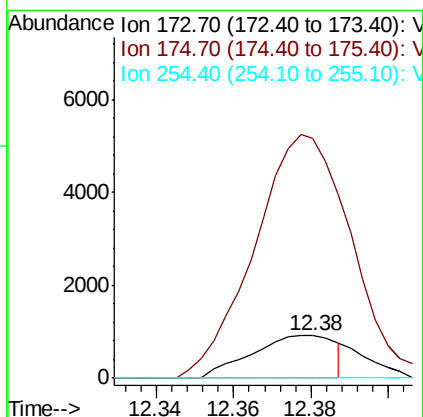
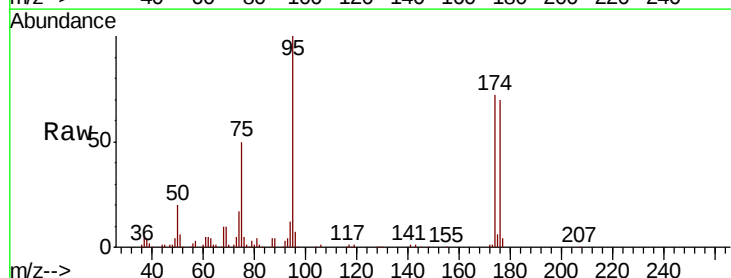
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20200625

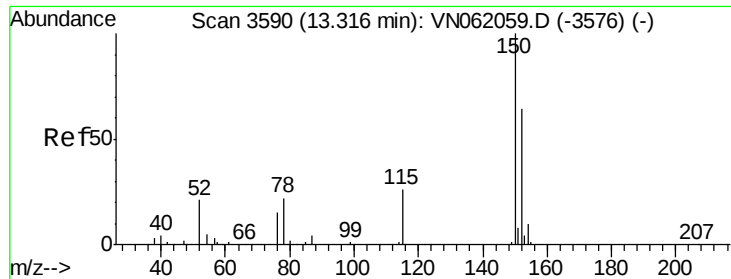
Tot Ion:117 Resp: 387174
Ion Ratio Lower Upper
117 100
82 59.0 43.8 65.8
119 31.6 25.2 37.8



#71
Bromoform
Concen: 0.662 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062306.D
Acq: 1 Jul 2020 20:56

Tgt Ion:173 Resp: 1383
Ion Ratio Lower Upper
173 100
175 543.2 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20200625

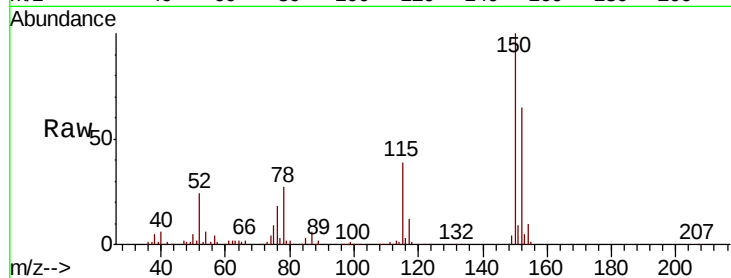
Tot Ion:152 Resp: 137529

Ion Ratio Lower Upper

152 100

115 59.4 29.5 88.5

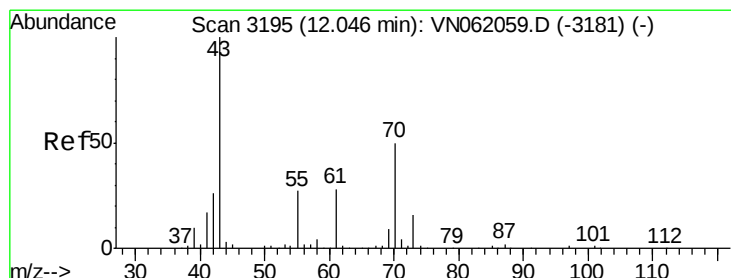
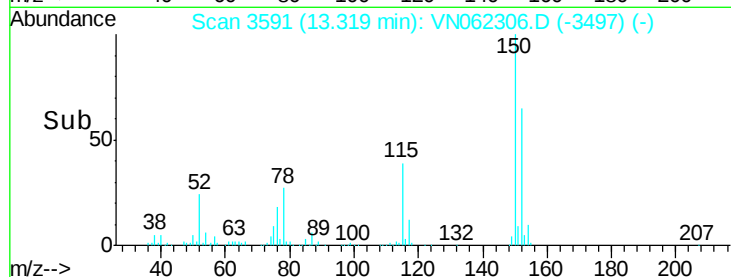
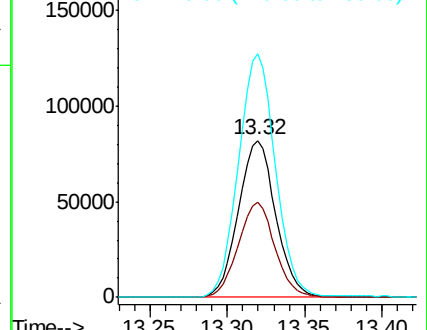
150 153.7 0.0 351.4



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



#74

N-ethyl acetate

Concen: 3.359 ug/l

RT: 12.06 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VN062306.D

Acq: 1 Jul 2020 20:56

Tgt Ion: 43 Resp: 67

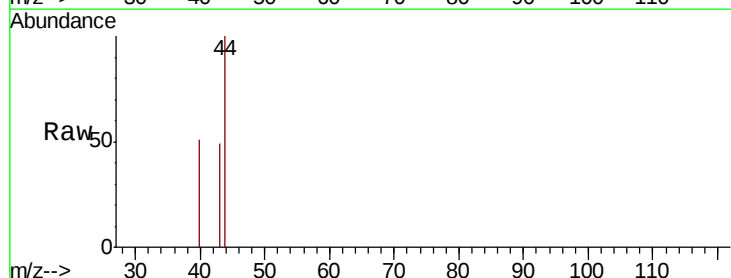
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

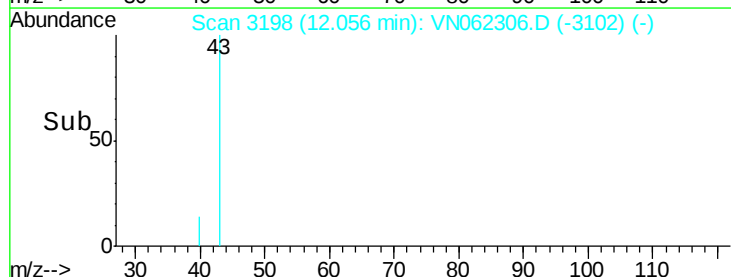
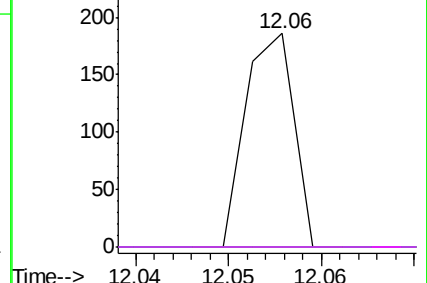


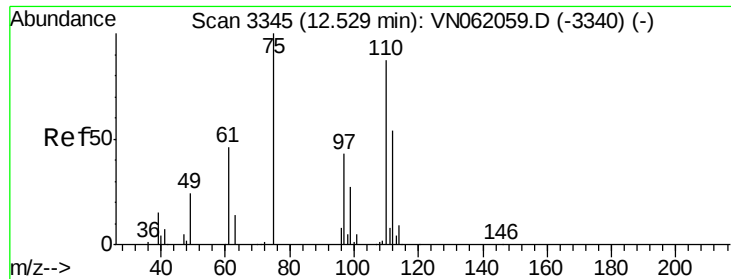
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

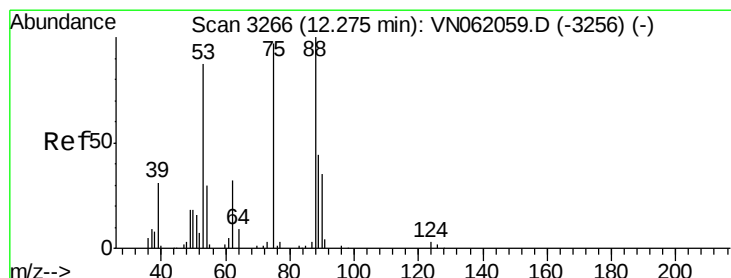
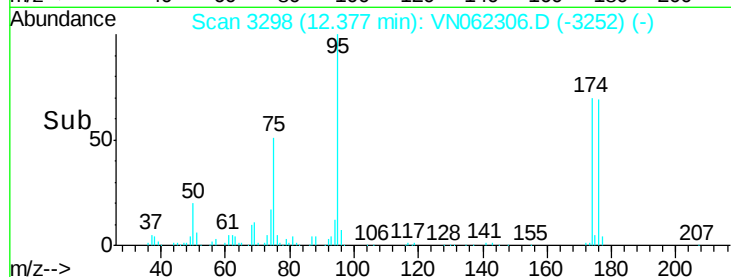
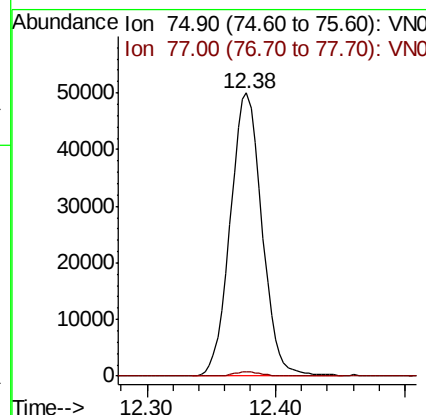
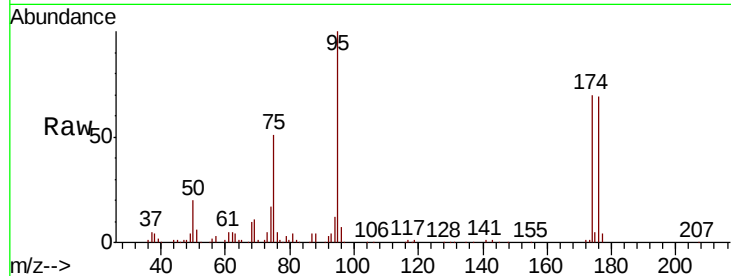




#76
 1,2,3-Trichloropropane
 Concen: 26.343 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20200625

Tot Ion: 75 Resp: 85287
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.932 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062306.D
 Acq: 1 Jul 2020 20:56

Tgt Ion: 75 Resp: 85287
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

