

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062298.D
 Acq On : 1 Jul 2020 17:43
 Operator : JC/MD
 Sample : L3127-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625

Quant Time: Jul 02 06:55:36 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	202000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	395838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	375805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	160241	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
35) Dibromofluoromethane	7.55	113	126546	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.06	98	508806	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.38	95	161530	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

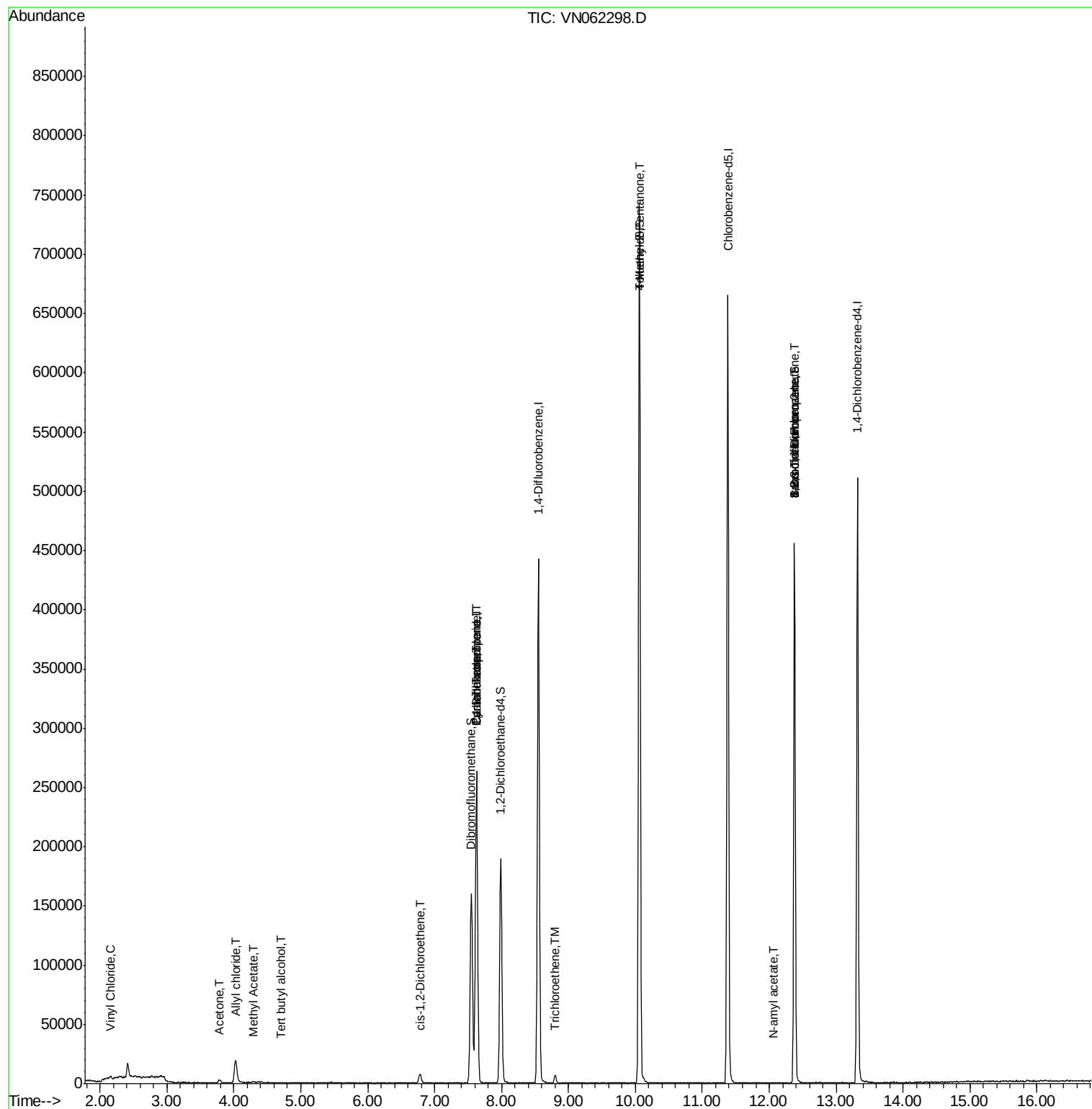
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1057	Below Cal		95
4) Vinyl Chloride	2.16	62	2124	0.591	ug/l	93
11) Tert butyl alcohol	4.70	59	124	0.305	ug/l #	72
14) Allyl chloride	4.03	41	3322	1.052	ug/l #	83
16) Acetone	3.78	43	4713	1.266	ug/l #	86
18) Methyl Acetate	4.29	43	934	0.414	ug/l #	52
20) Methylene Chloride	4.49	84	499	Below Cal	#	21
27) cis-1,2-Dichloroethene	6.79	96	4509	1.517	ug/l	74
31) Cyclohexane	7.63	56	5306	1.355	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	18410	4.627	ug/l #	48
38) Carbon Tetrachloride	7.62	117	20752	5.532	ug/l #	17
44) Trichloroethene	8.80	130	2514	0.822	ug/l	88
51) 4-Methyl-2-Pentanone	10.06	43	2671	0.851	ug/l #	1
71) Bromoform	12.38	173	1409	0.694	ug/l #	1
74) N-amyl acetate	12.06	43	102	3.368	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	83559	26.778	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	83559	78.201	ug/l #	13

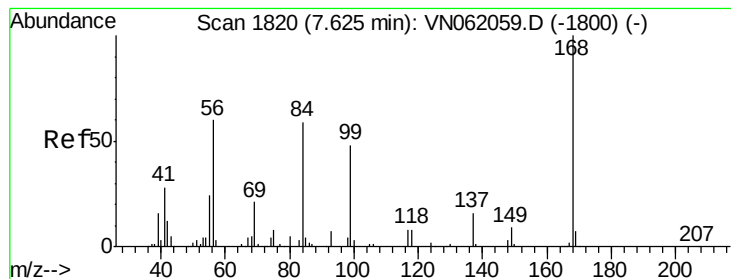
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062298.D

Acq: 1 Jul 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

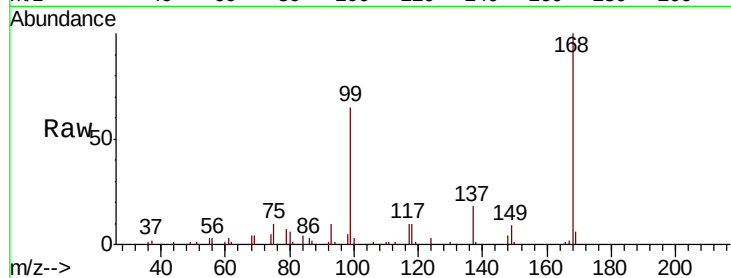
33BR-20200625

Tot Ion:168 Resp: 202000

Ion Ratio Lower Upper

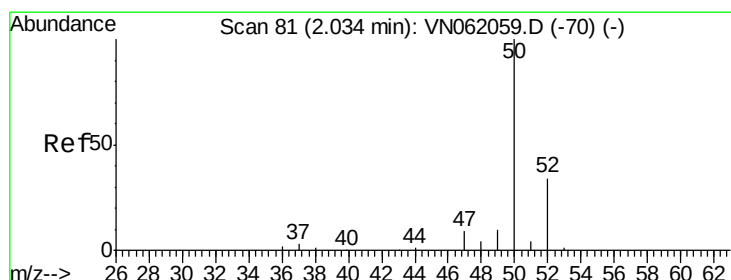
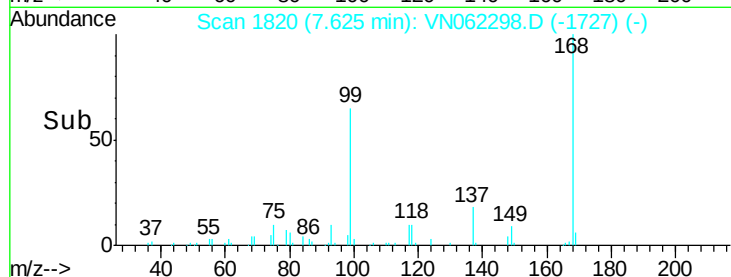
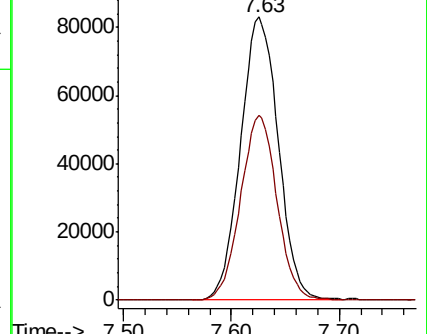
168 100

99 65.4 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062298.D

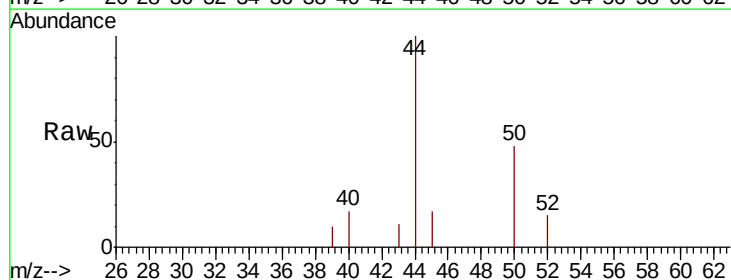
Acq: 1 Jul 2020 17:43

Tgt Ion: 50 Resp: 1057

Ion Ratio Lower Upper

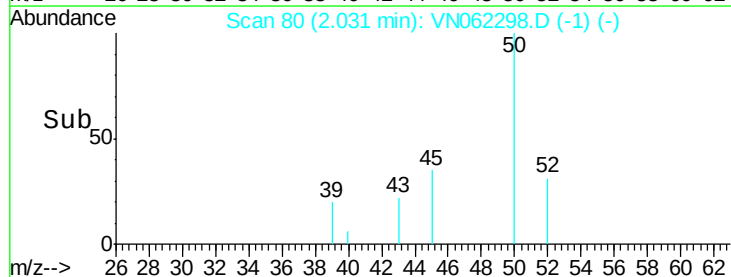
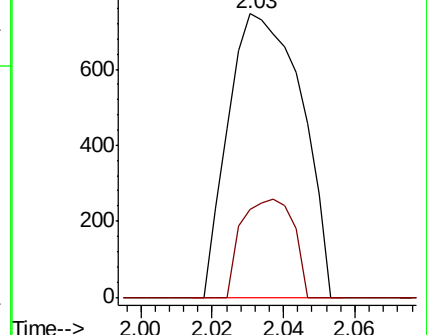
50 100

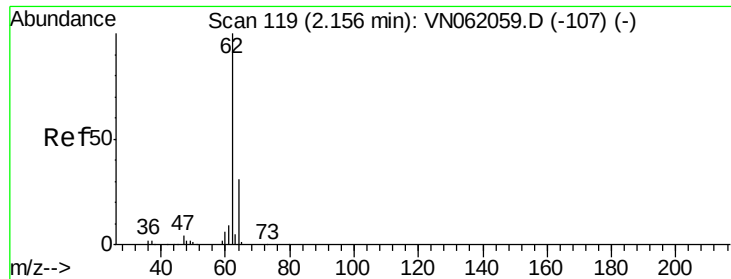
52 30.8 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: 0.591 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062298.D

Acq: 1 Jul 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

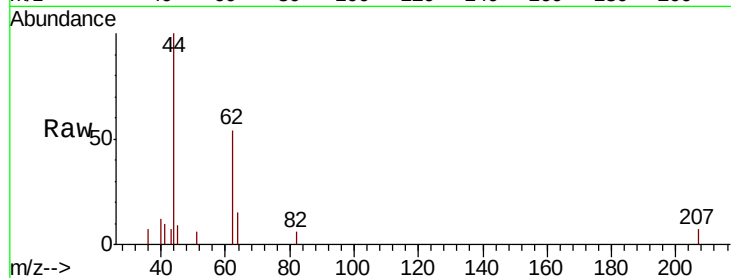
33BR-20200625

Tot Ion: 62 Resp: 2124

Ion Ratio Lower Upper

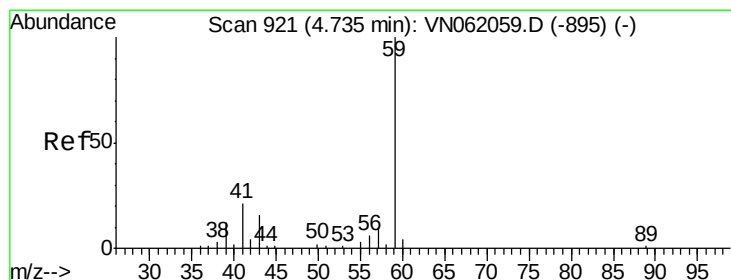
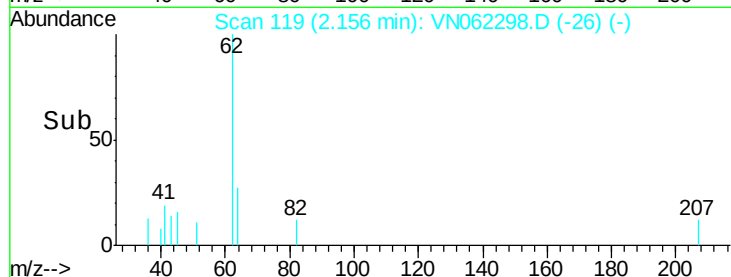
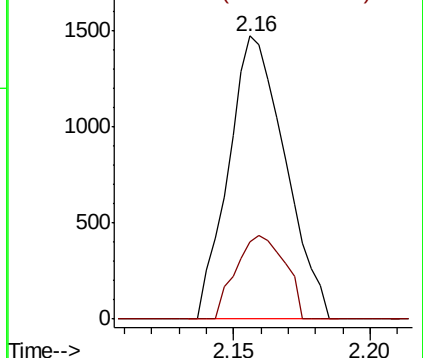
62 100

64 27.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#11

Tert butyl alcohol

Concen: 0.305 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN062298.D

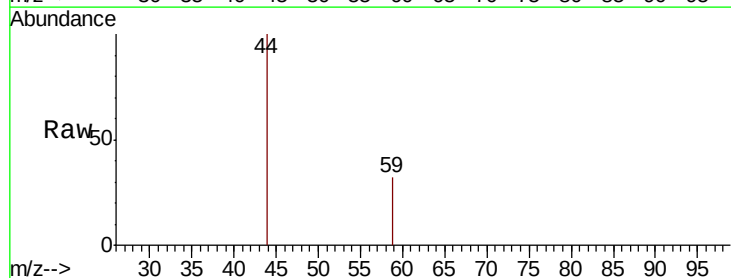
Acq: 1 Jul 2020 17:43

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

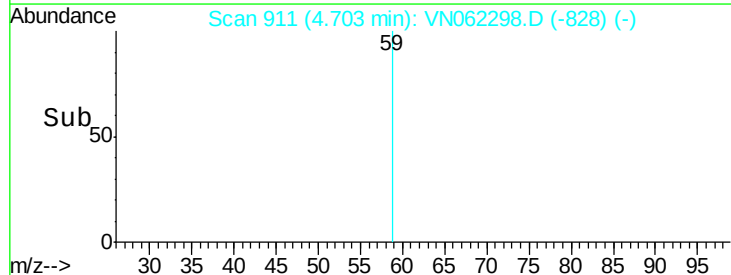
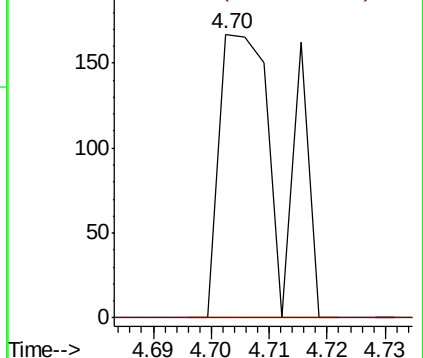
59 100

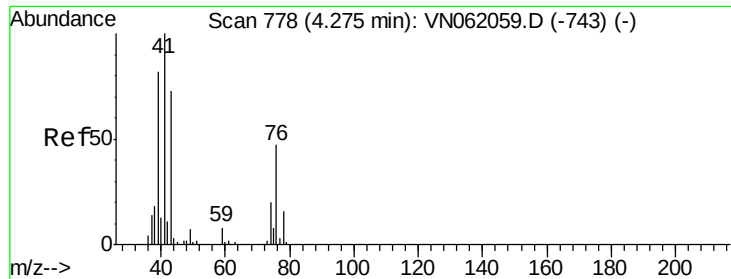
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

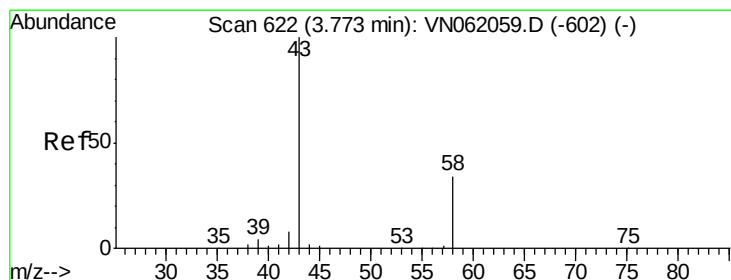
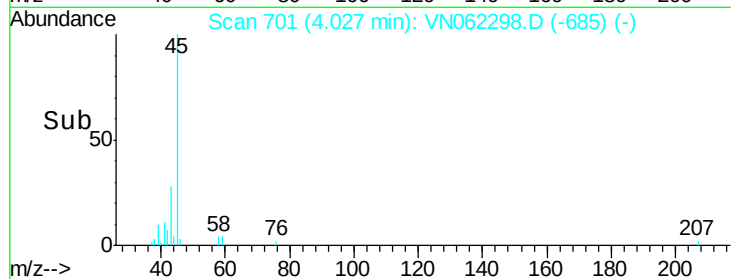
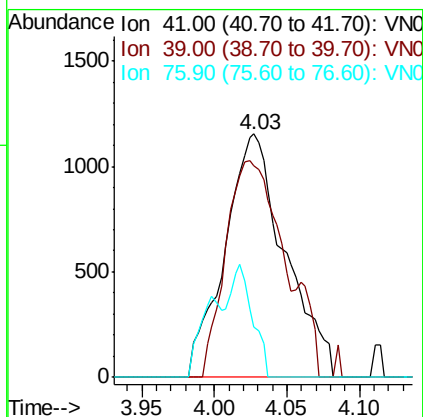
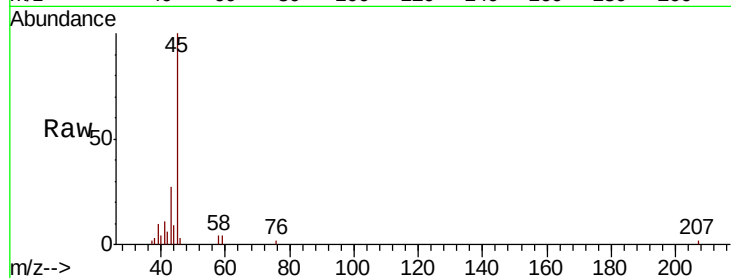




#14
Allvl chloride
Concen: 1.052 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

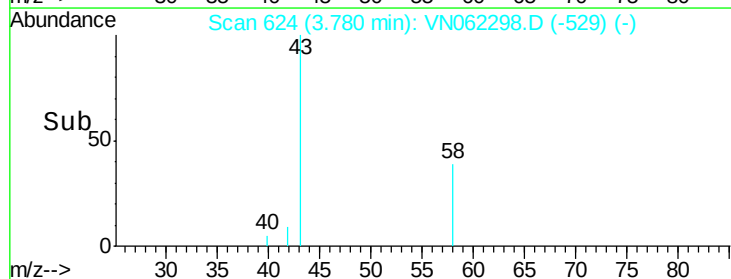
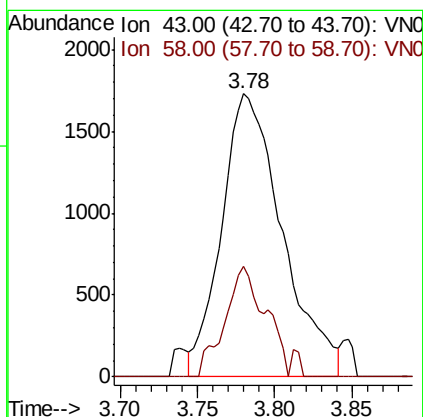
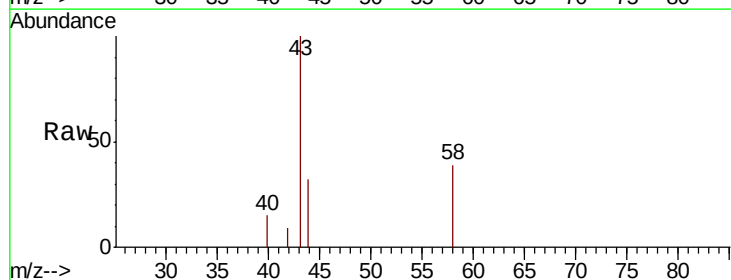
Instrument :
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33BR-20200625

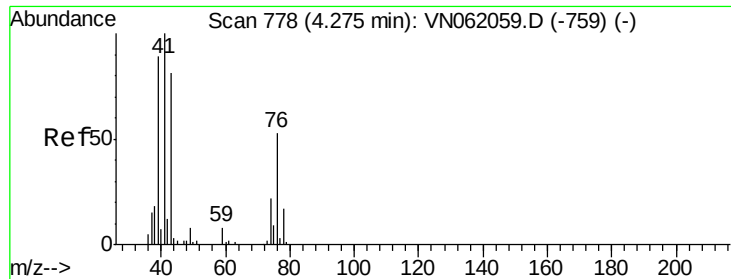
Tot Ion: 41 Resp: 3322
Ion Ratio Lower Upper
41 100
39 79.3 60.0 90.0
76 18.3 34.1 51.1#



#16
Acetone
Concen: 1.266 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

Tgt Ion: 43 Resp: 4713
Ion Ratio Lower Upper
43 100
58 42.7 27.5 41.3#

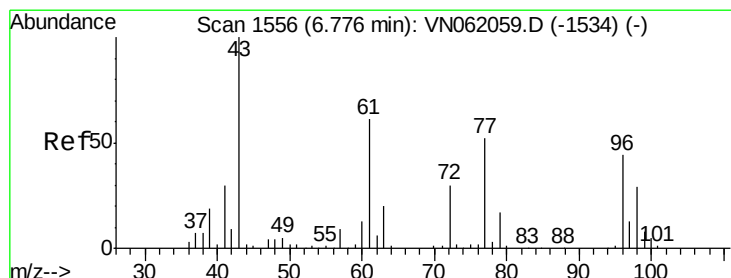
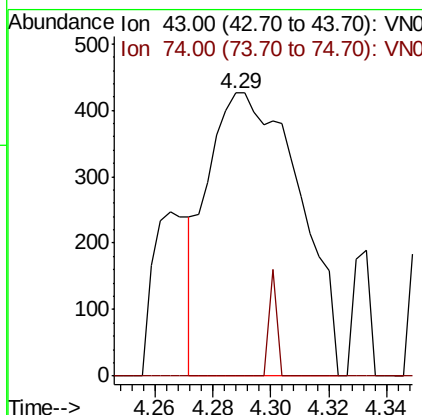
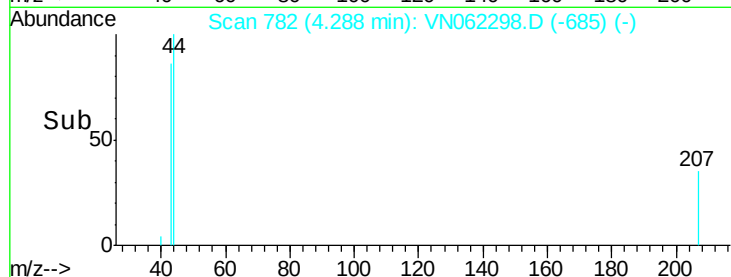
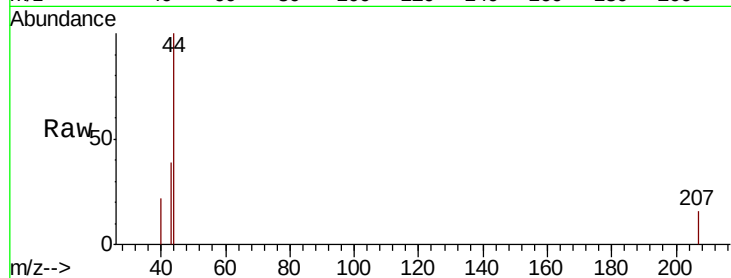




#18
Methyl Acetate
Concen: 0.414 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

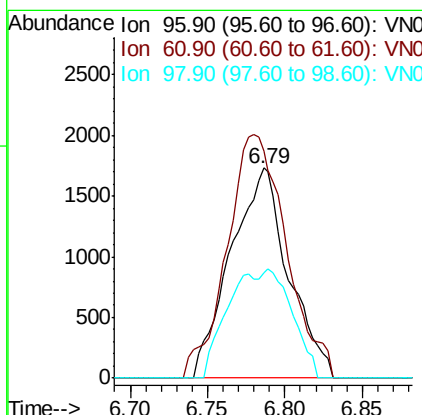
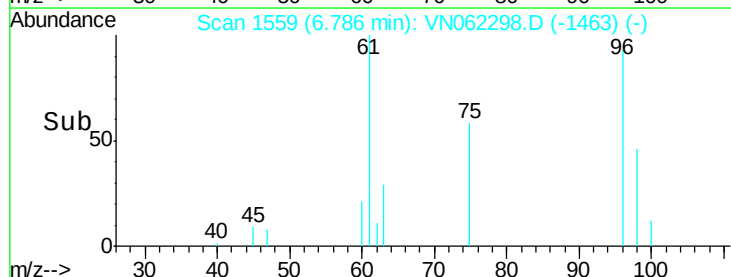
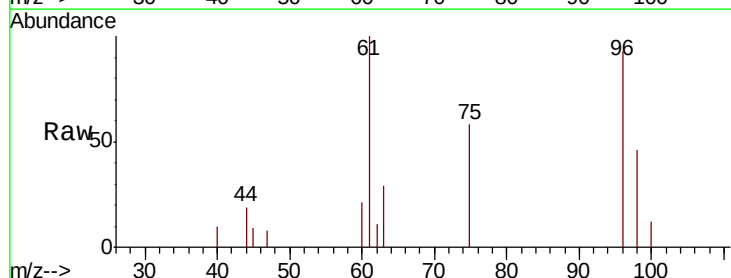
Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625

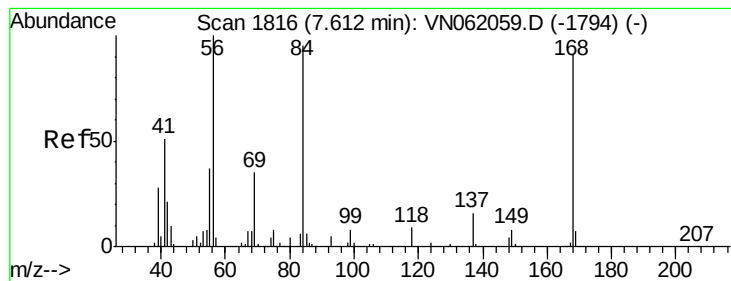
Tot Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
74 3.3 22.9 34.3#



#27
cis-1,2-Dichloroethene
Concen: 1.517 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.01 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

Tgt Ion: 96 Resp: 4509
Ion Ratio Lower Upper
96 100
61 118.6 0.0 280.4
98 29.3 0.0 129.4





#31

Cyclohexane

Concen: 1.355 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062298.D

Acq: 1 Jul 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

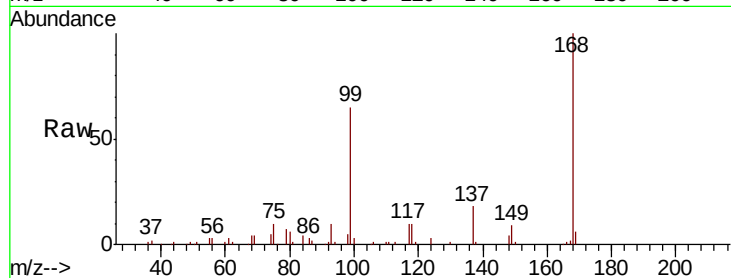
Tot Ion: 56 Resp: 5306

Ion Ratio Lower Upper

56 100

69 139.9 28.0 42.0#

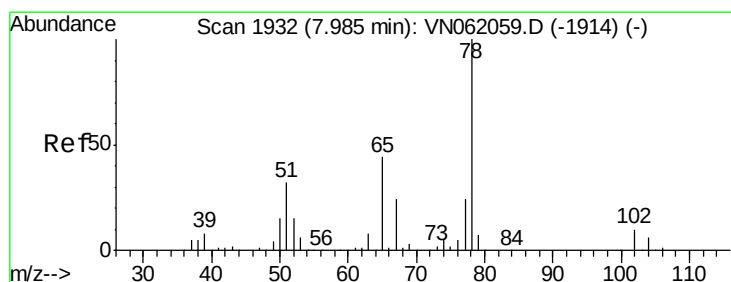
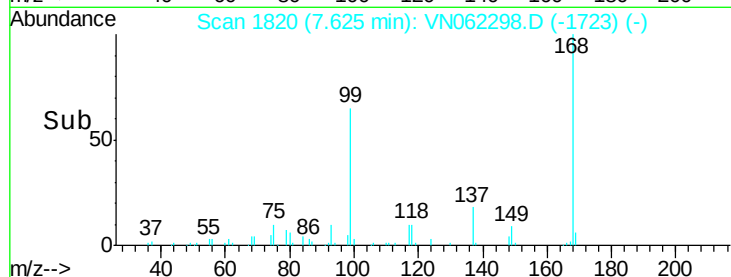
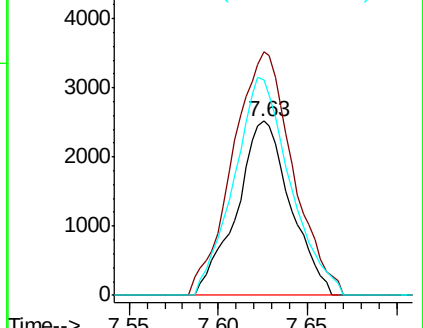
84 123.9 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062298.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062298.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062298.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.528 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062298.D

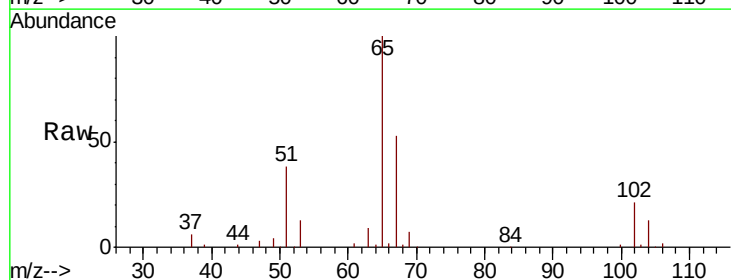
Acq: 1 Jul 2020 17:43

Tgt Ion: 65 Resp: 160241

Ion Ratio Lower Upper

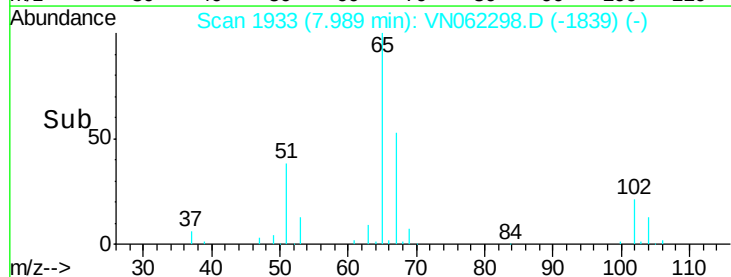
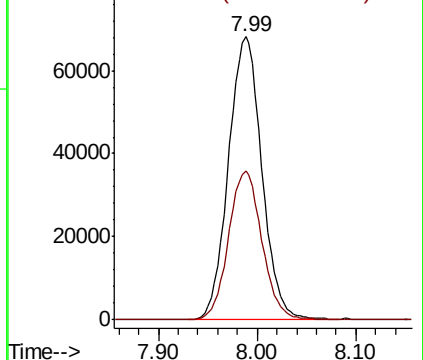
65 100

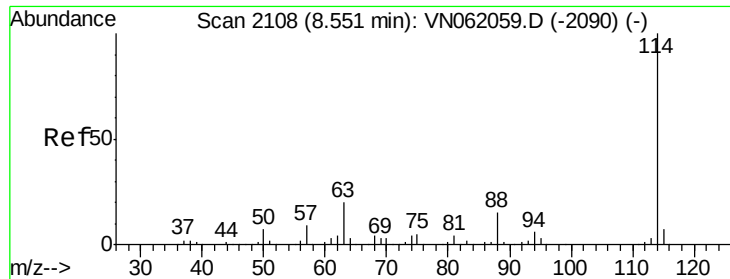
67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062298.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062298.D (-1839) (-)

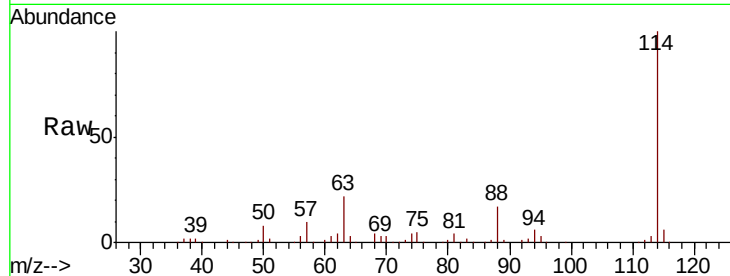




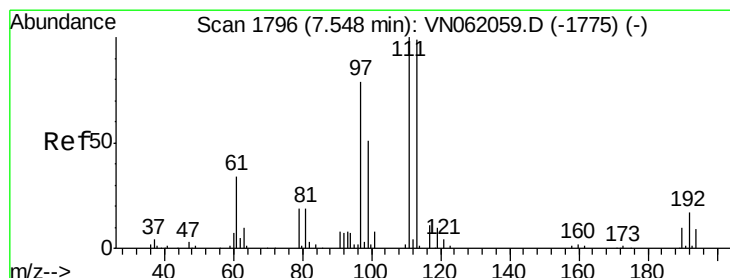
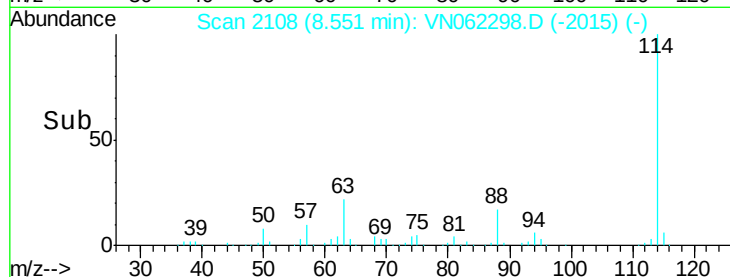
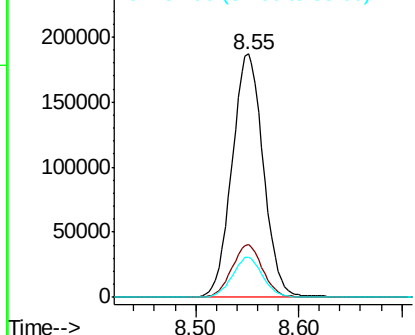
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Instrument :
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 33BR-20200625

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	39.2
88	16.6	0.0	30.8

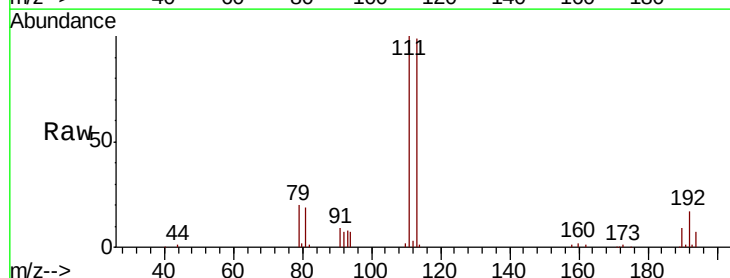


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

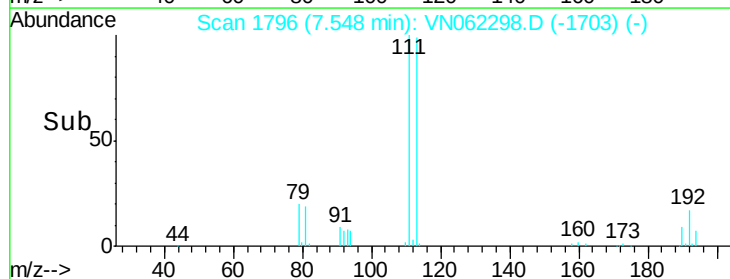
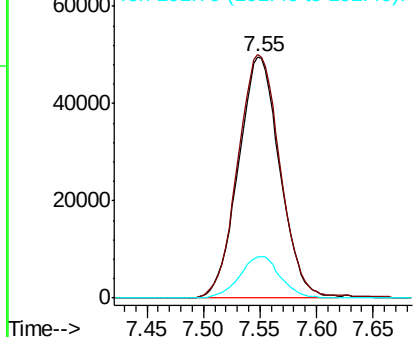


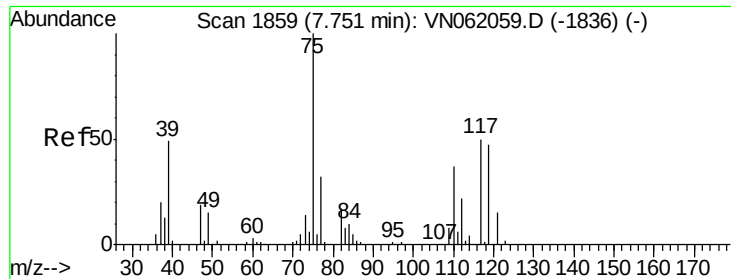
#35
 Dibromofluoromethane
 Concen: 49.831 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	17.0	14.0	21.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

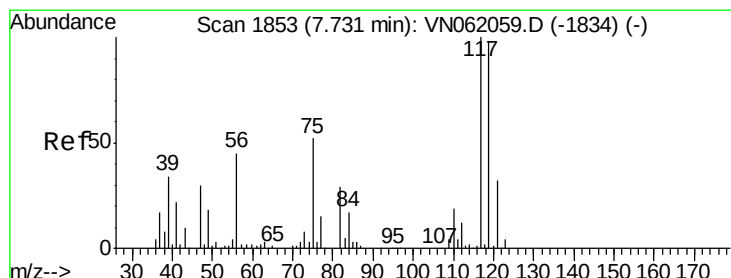
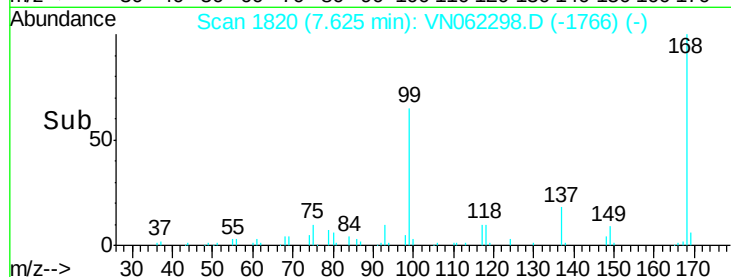
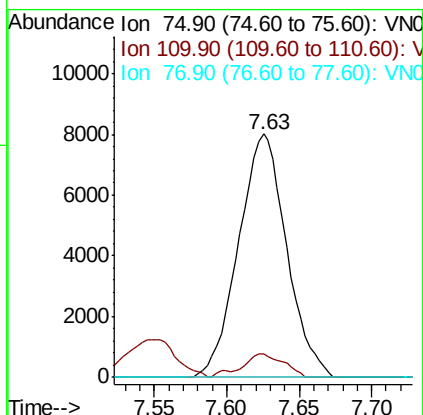
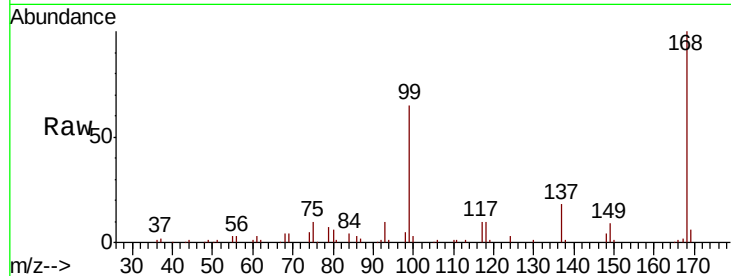




#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

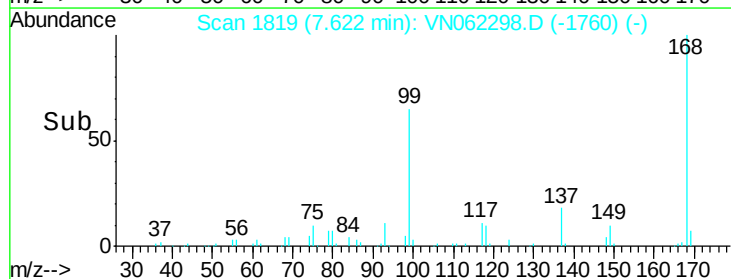
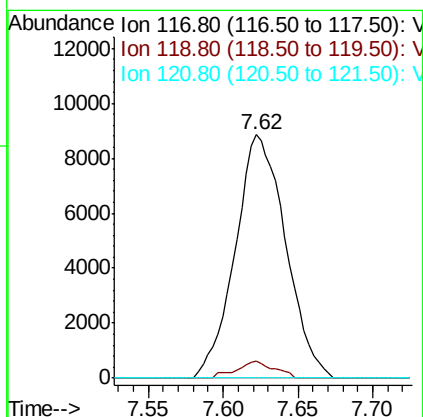
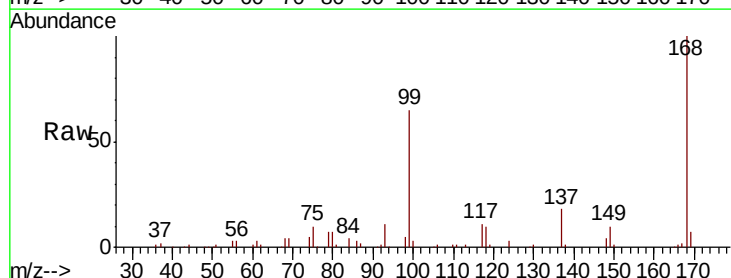
Instrument :
 MSVOA_N
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 33BR-20200625

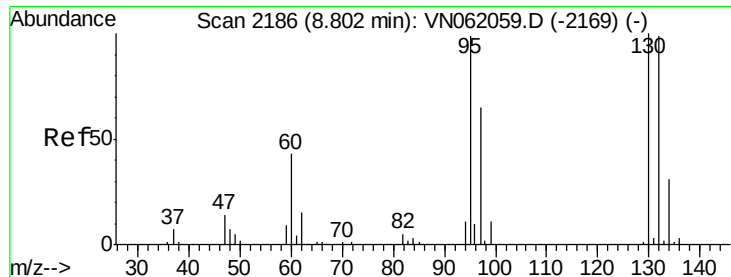
Tot Ion	75	Resp	18410
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.532 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Tgt Ion	117	Resp	20752
Ion Ratio	Lower	Upper	
117	100		
119	7.0	78.2	117.2#
121	0.0	25.8	38.6#





#44

Trichloroethene

Concen: 0.822 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062298.D

Acq: 1 Jul 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

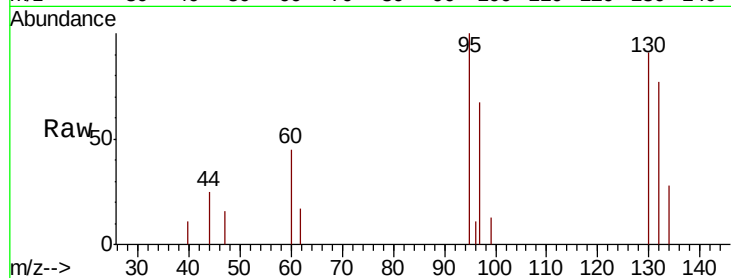
33BR-20200625

Tot Ion:130 Resp: 2514

Ion Ratio Lower Upper

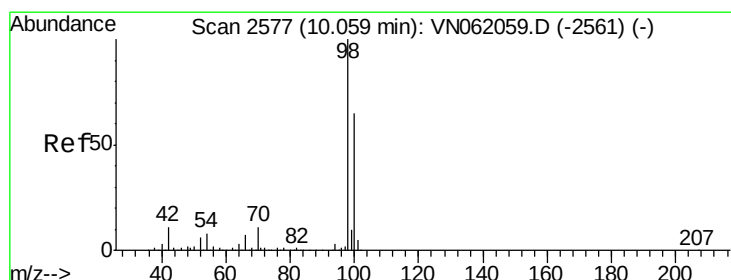
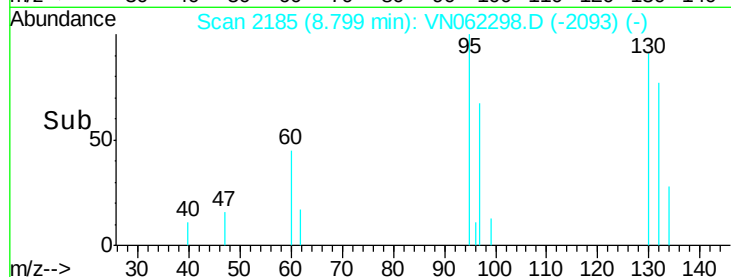
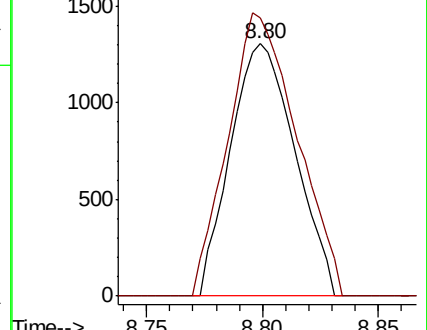
130 100

95 110.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN062059.D (-2169) (-)



#50

Toluene-d8

Concen: 50.123 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062298.D

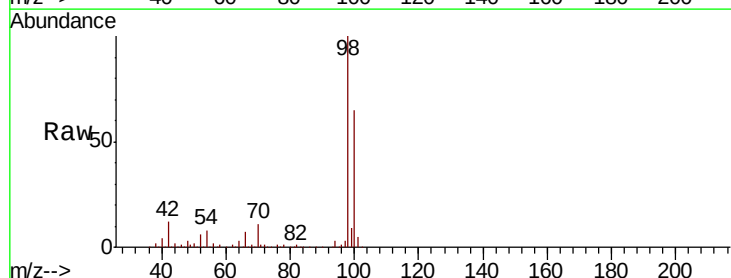
Acq: 1 Jul 2020 17:43

Tgt Ion: 98 Resp: 508806

Ion Ratio Lower Upper

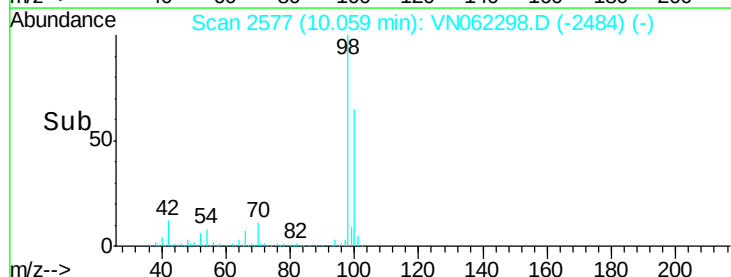
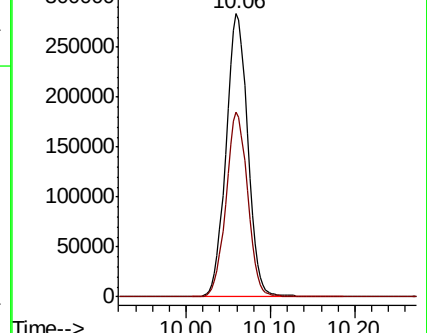
98 100

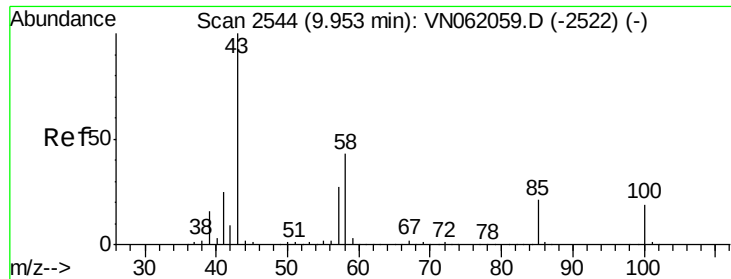
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062059.D (-2561) (-)

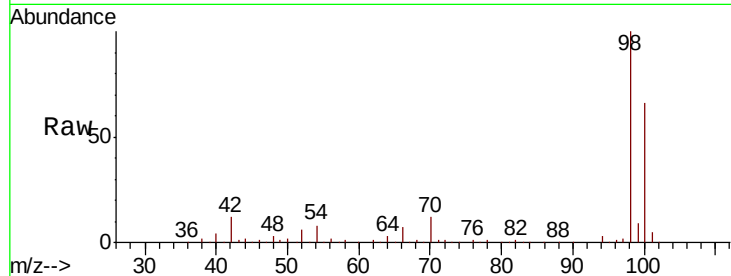




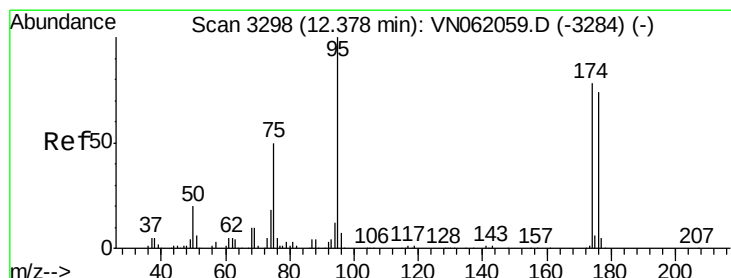
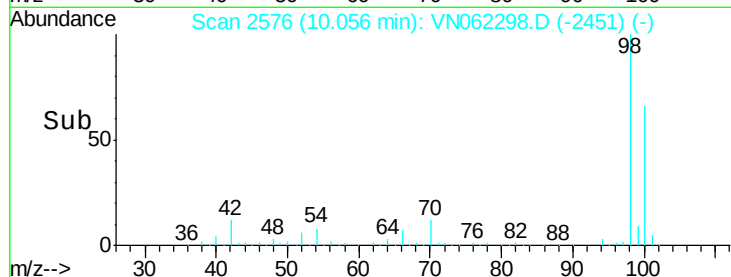
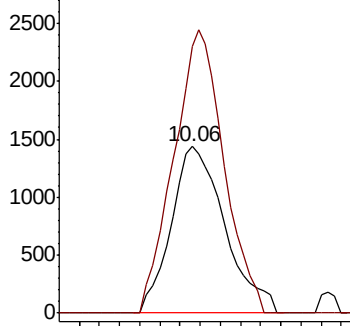
#51
 4-Methyl-2-Pentanone
 Concen: 0.851 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 33BR-20200625

Tot Ion: 43 Resp: 2671
 Ion Ratio Lower Upper
 43 100
 58 158.6 34.2 51.2#

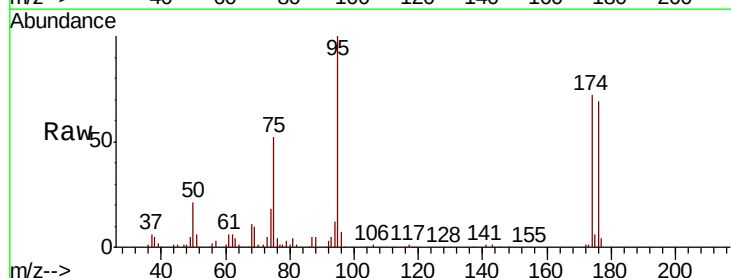


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

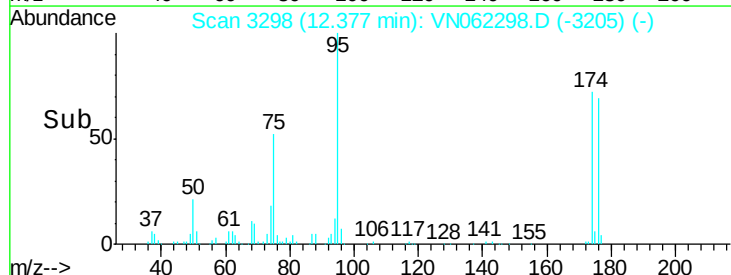
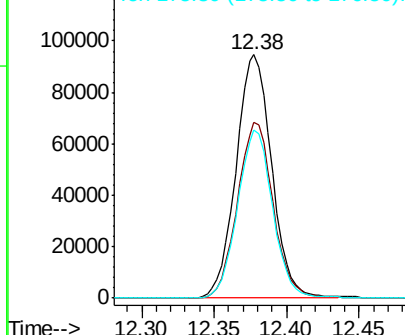


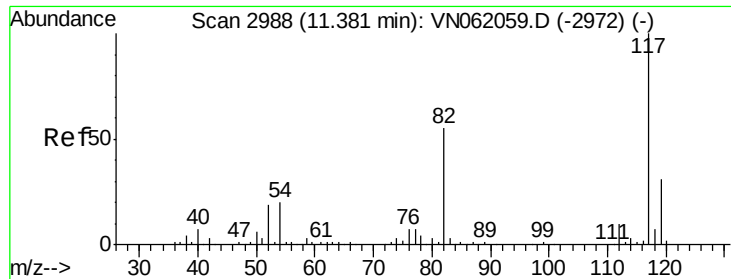
#62
 4-Bromofluorobenzene
 Concen: 47.098 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Tgt Ion: 95 Resp: 161530
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 154.8
 176 68.5 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

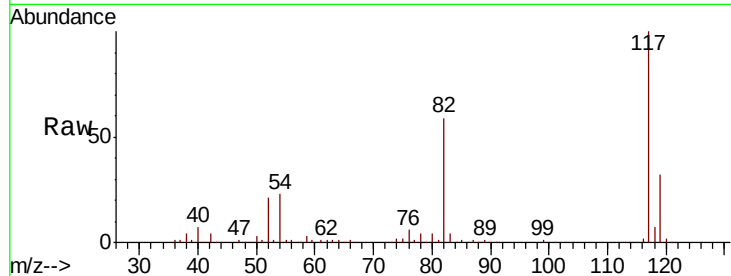




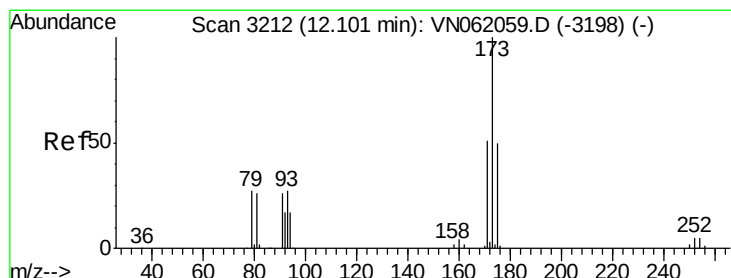
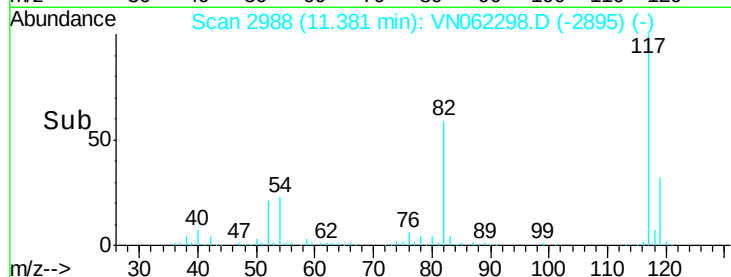
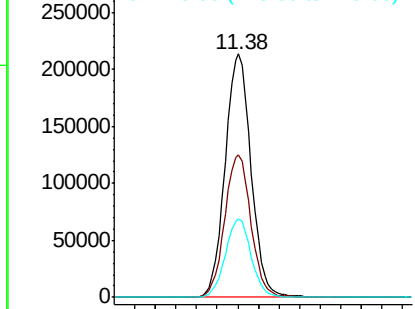
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
33BR-20200625

Tot Ion:117 Resp: 375805
Ion Ratio Lower Upper
117 100
82 58.7 43.8 65.8
119 32.4 25.2 37.8

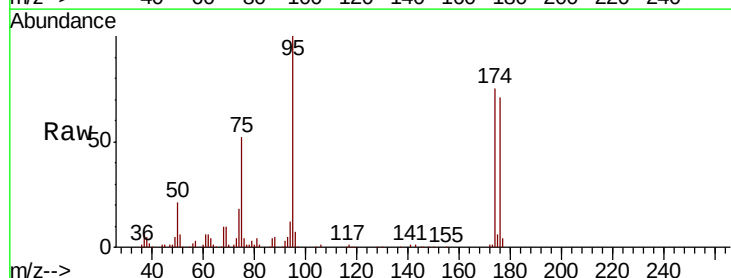


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

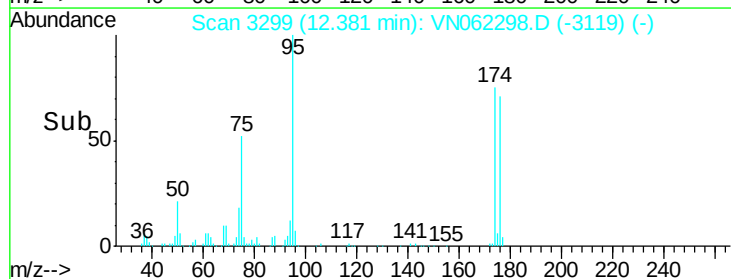
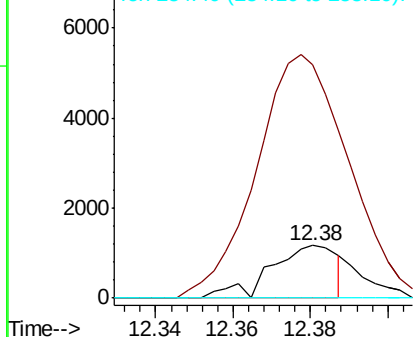


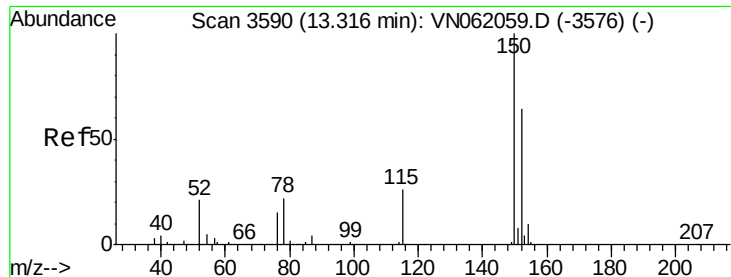
#71
Bromoform
Concen: 0.694 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062298.D
Acq: 1 Jul 2020 17:43

Tgt Ion:173 Resp: 1409
Ion Ratio Lower Upper
173 100
175 525.1 24.7 74.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN062298.D

Acq: 1 Jul 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

33BR-20200625

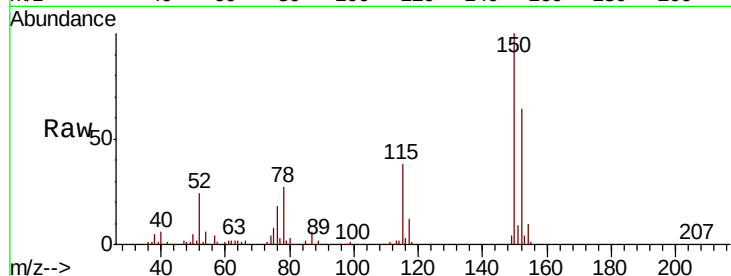
Tot Ion:152 Resp: 132555

Ion Ratio Lower Upper

152 100

115 60.5 29.5 88.5

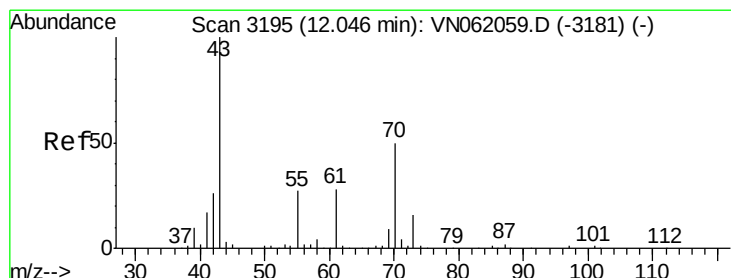
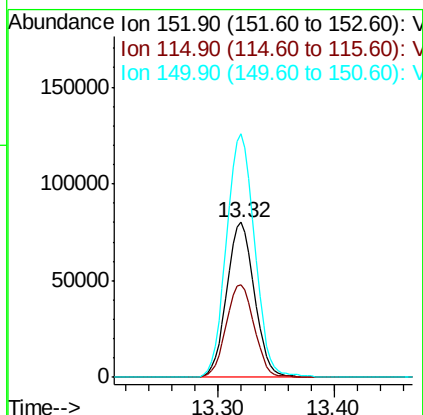
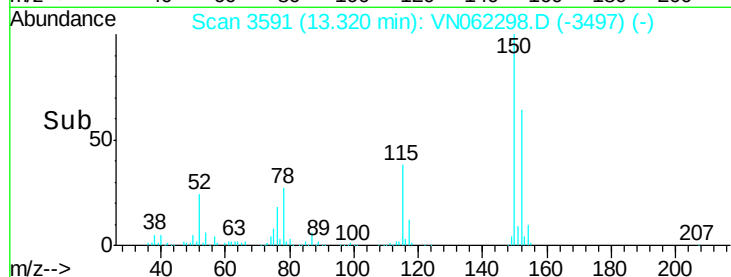
150 160.4 0.0 351.4



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: 3.368 ug/l

RT: 12.06 min Scan# 3199

Delta R.T. 0.01 min

Lab File: VN062298.D

Acq: 1 Jul 2020 17:43

Tgt Ion: 43 Resp: 102

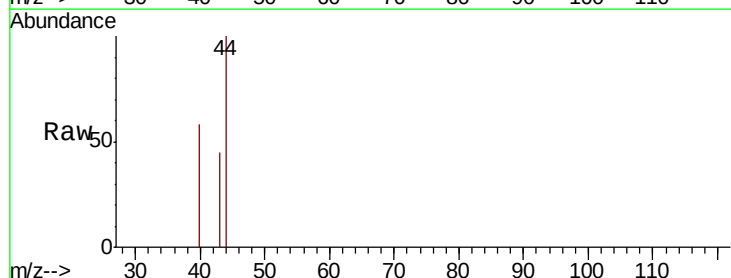
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

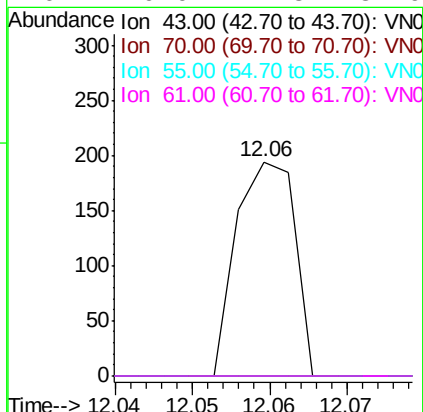
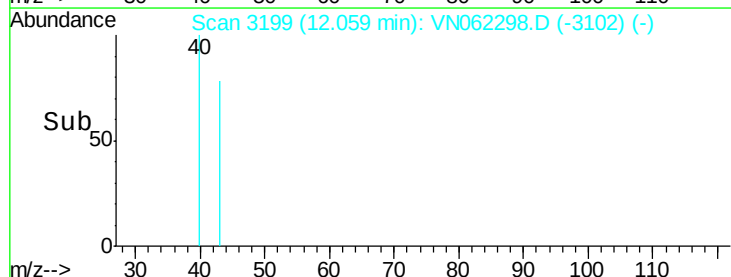


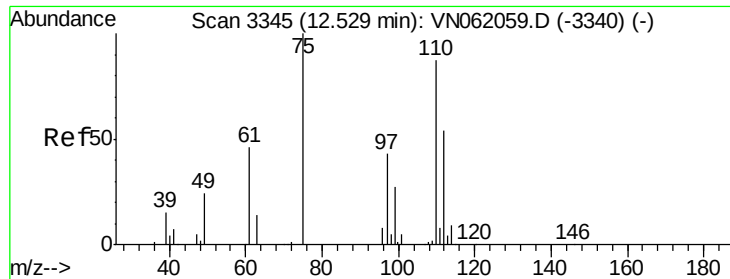
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

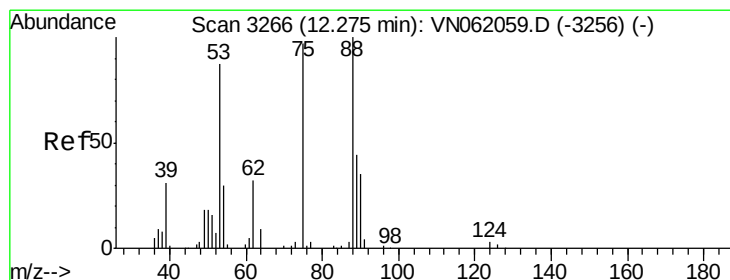
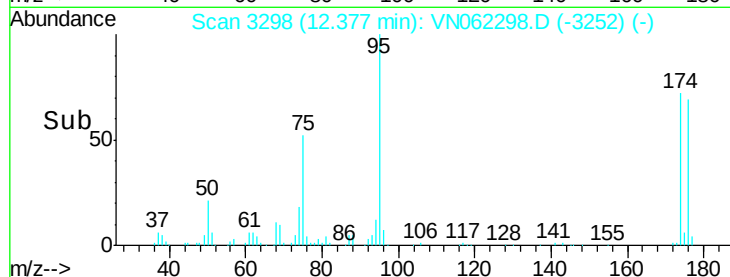
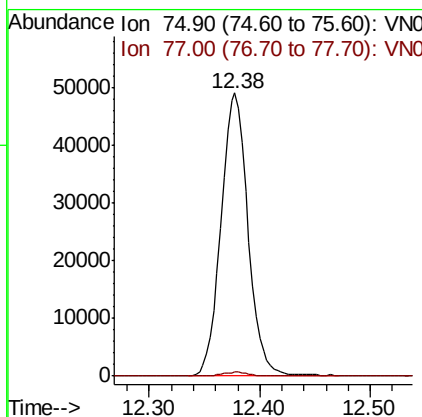
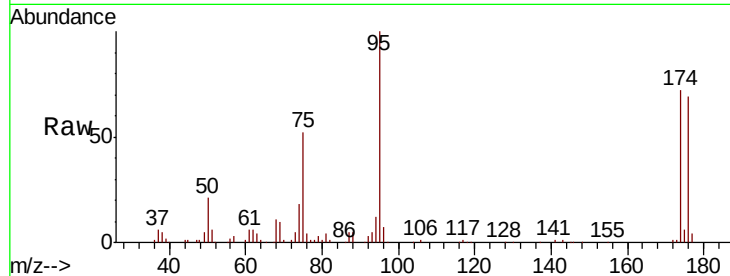




#76
 1,2,3-Trichloropropane
 Concen: 26.778 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Instrument :
 MSVOA_N
 ClientSampled :
 33BR-20200625

Tot Ion: 75 Resp: 83559
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.201 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062298.D
 Acq: 1 Jul 2020 17:43

Tgt Ion: 75 Resp: 83559
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

