

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062716.D
 Acq On : 1 Aug 2020 4:24
 Operator : JC/MD
 Sample : L3518-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Aug 01 06:14:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	142819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	266591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99208	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	127008	57.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.50%		
35) Dibromofluoromethane	7.55	113	87010	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.16%		
50) Toluene-d8	10.06	98	348257	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.48%		
62) 4-Bromofluorobenzene	12.38	95	127859	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.90%		

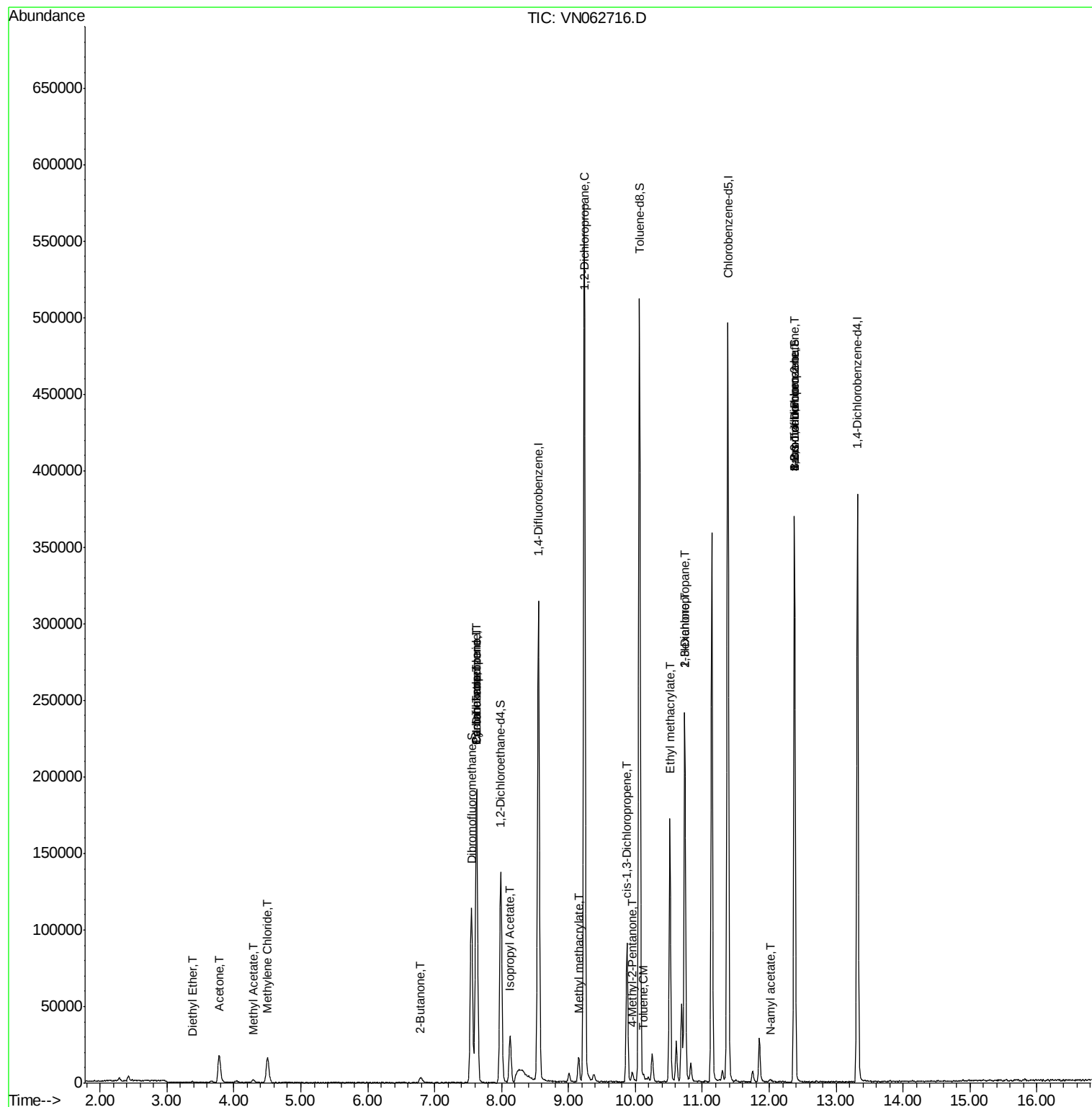
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	457	0.416	ug/l	69
16) Acetone	3.78	43	31683	37.949	ug/l	94
18) Methyl Acetate	4.29	43	3868	1.830	ug/l #	76
20) Methylene Chloride	4.51	84	11703	5.845	ug/l	95
25) 2-Butanone	6.79	43	2880	2.265	ug/l #	89
31) Cyclohexane	7.62	56	3786	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12761	4.527	ug/l #	50
38) Carbon Tetrachloride	7.62	117	15804	5.832	ug/l #	17
43) Isopropyl Acetate	8.13	43	36445	7.439	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	662	0.276	ug/l #	44
48) Methyl methacrylate	9.15	41	2794	1.200	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4610	1.573	ug/l	95
52) Toluene	10.13	92	1536	0.310	ug/l	89
54) cis-1,3-Dichloropropene	9.88	75	15162	4.230	ug/l #	66
56) Ethyl methacrylate	10.52	69	770	1.984	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2435	0.691	ug/l #	42
59) 2-Hexanone	10.74	43	36436	18.842	ug/l #	54
71) Bromoform	12.37	173	411	0.260	ug/l #	1
74) N-amyl acetate	12.01	43	1632	0.466	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	70983	28.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70983	78.251	ug/l #	12

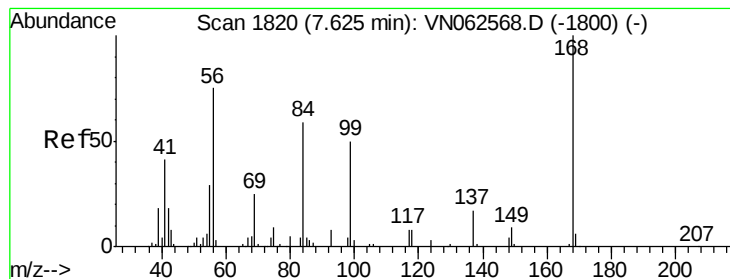
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampled :

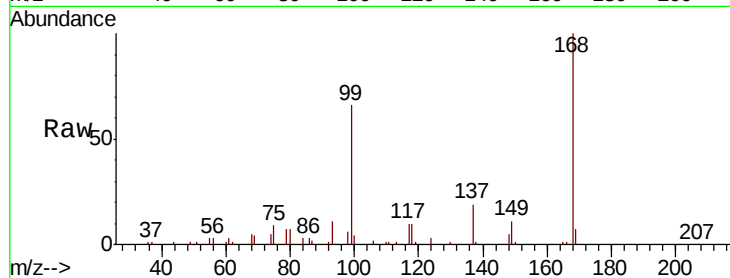
TP-7

Tot Ion:168 Resp: 142819

Ion Ratio Lower Upper

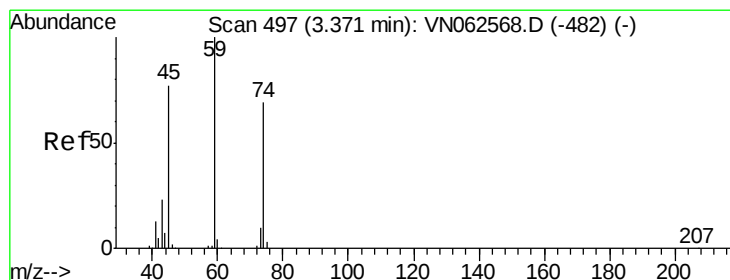
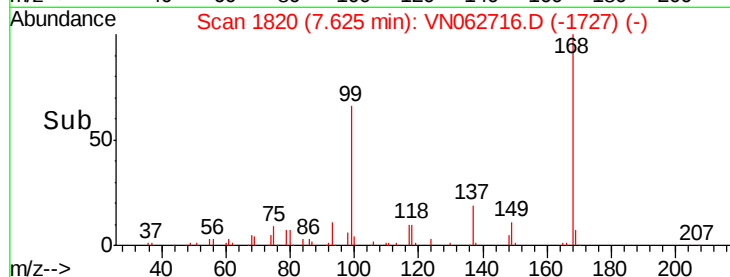
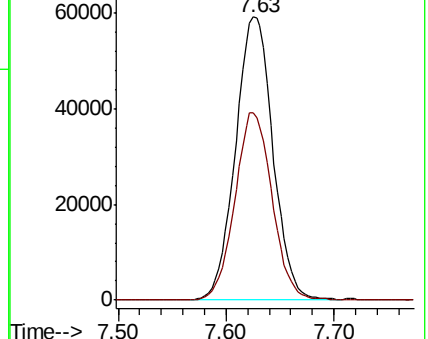
168 100

99 66.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.416 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062716.D

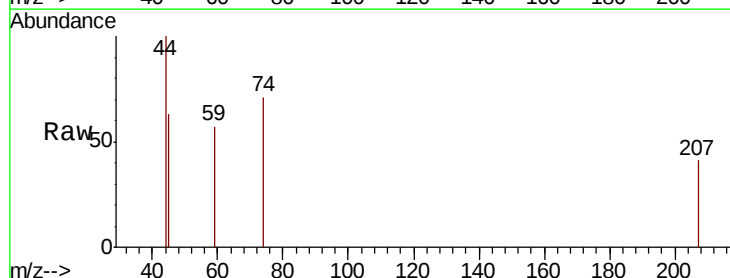
Acq: 1 Aug 2020 4:24

Tgt Ion: 74 Resp: 457

Ion Ratio Lower Upper

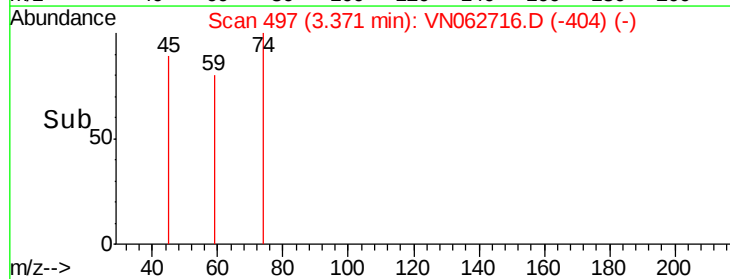
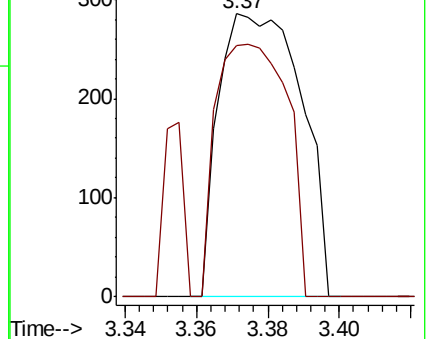
74 100

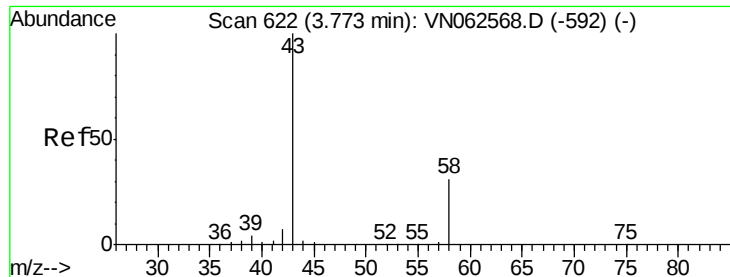
45 77.2 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#16

Acetone

Concen: 37.949 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampled :

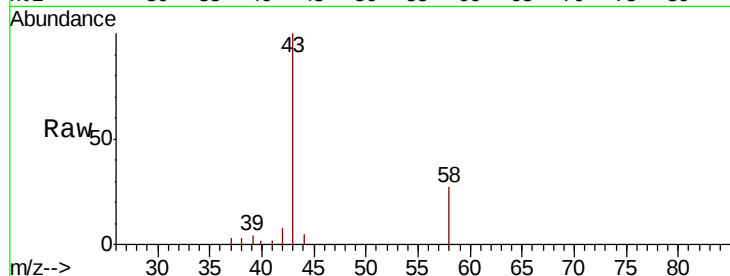
TP-7

Tot Ion: 43 Resp: 31683

Ion Ratio Lower Upper

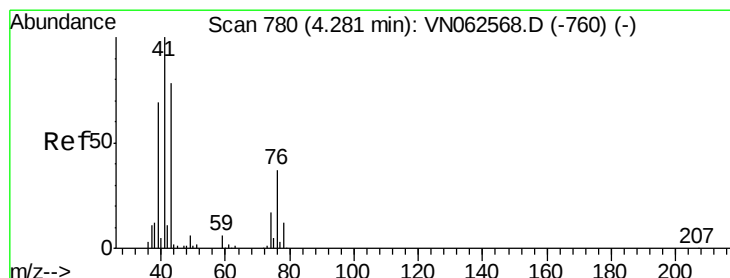
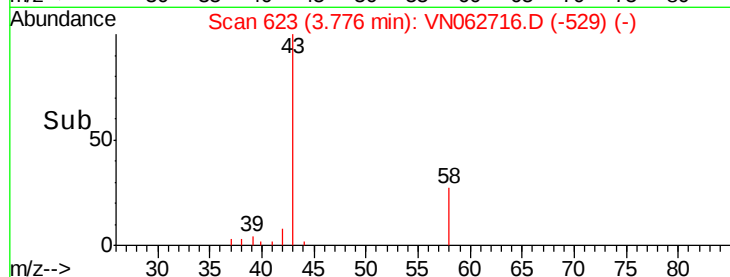
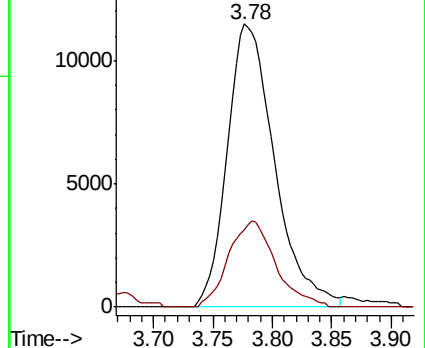
43 100

58 27.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.830 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062716.D

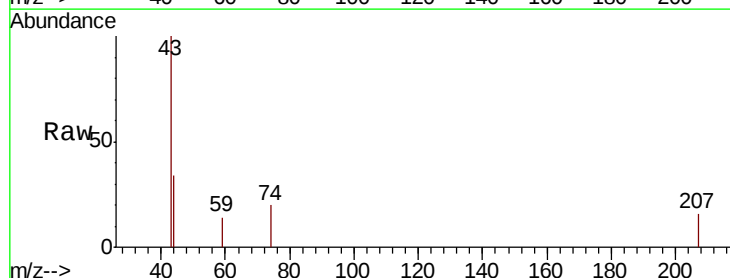
Acq: 1 Aug 2020 4:24

Tgt Ion: 43 Resp: 3868

Ion Ratio Lower Upper

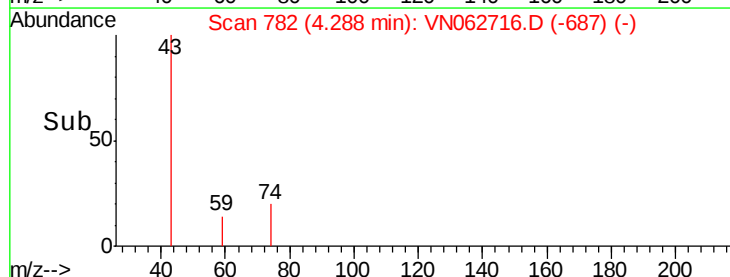
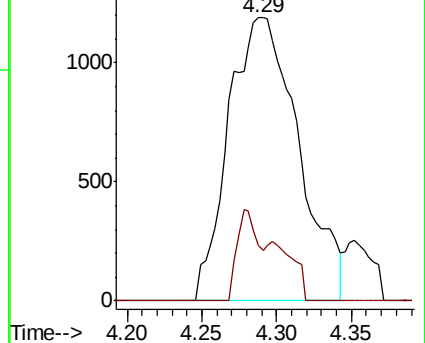
43 100

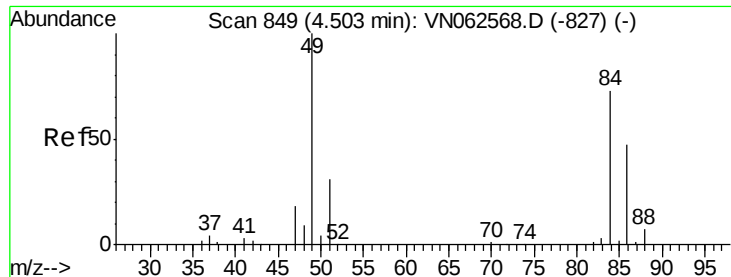
74 9.7 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

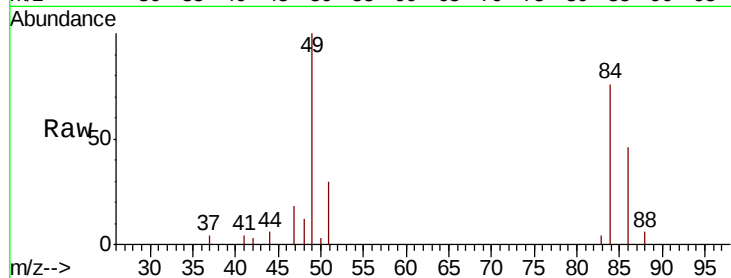




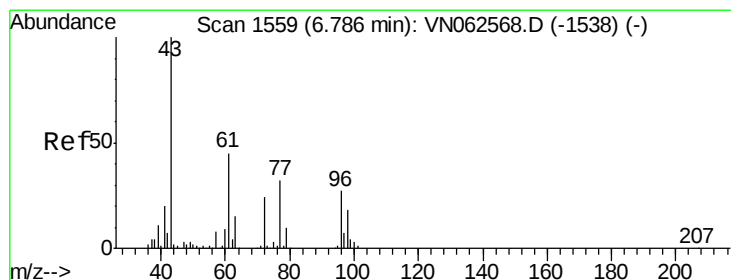
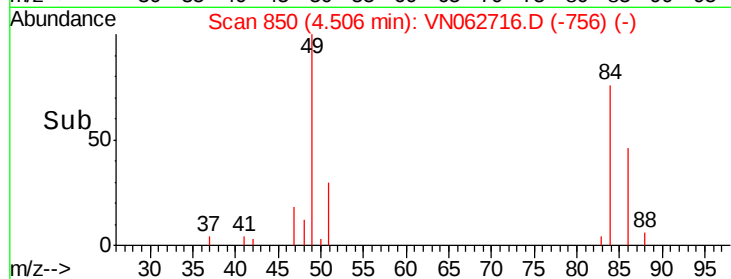
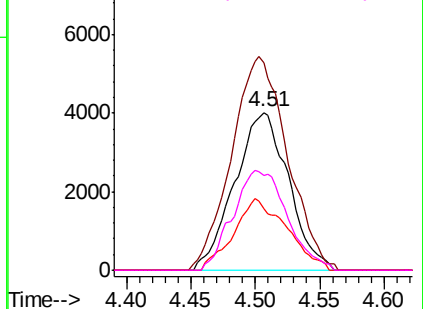
#20
Methvlene Chloride
Concen: 5.845 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 84 Resp: 11703
Ion Ratio Lower Upper
84 100
49 131.0 109.4 164.0
51 39.2 33.6 50.4
86 60.1 51.4 77.2

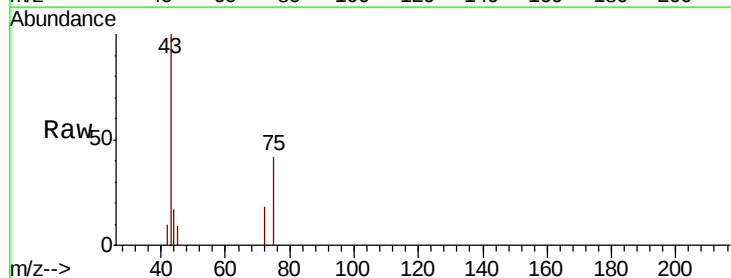


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

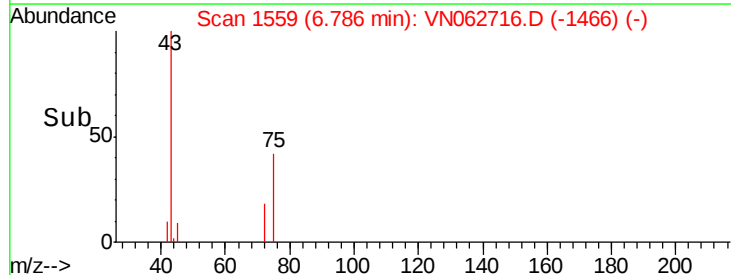
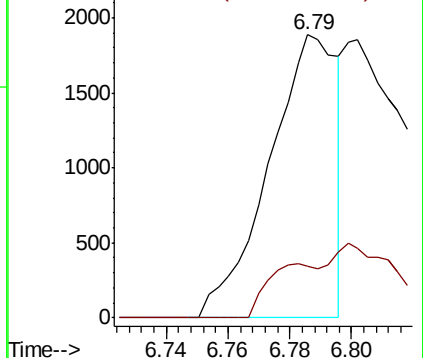


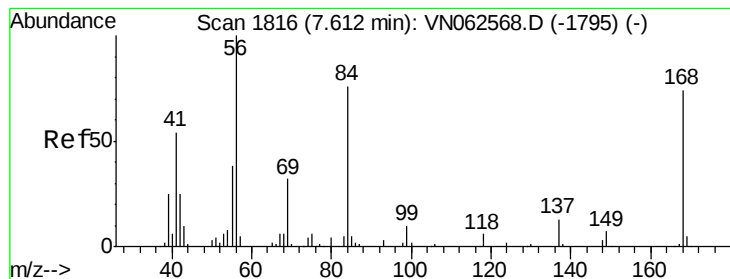
#25
2-Butanone
Concen: 2.265 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

Tgt Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
72 18.2 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampleId :

TP-7

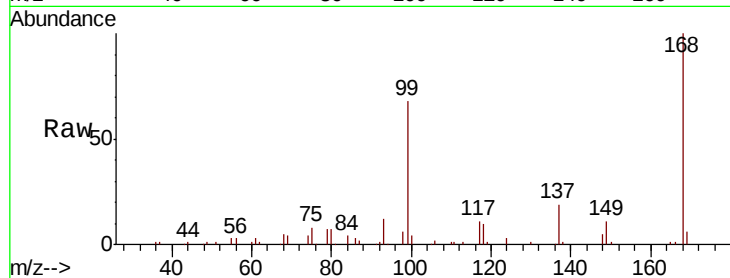
Tot Ion: 56 Resp: 3786

Ion Ratio Lower Upper

56 100

69 151.8 25.3 37.9#

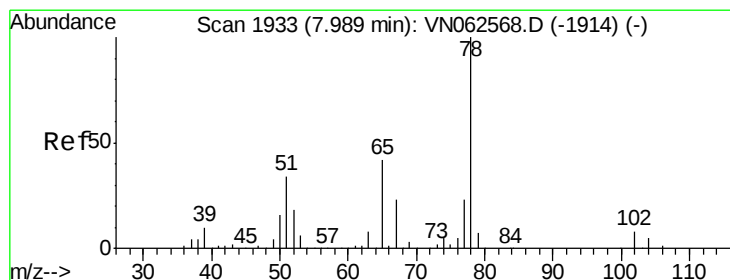
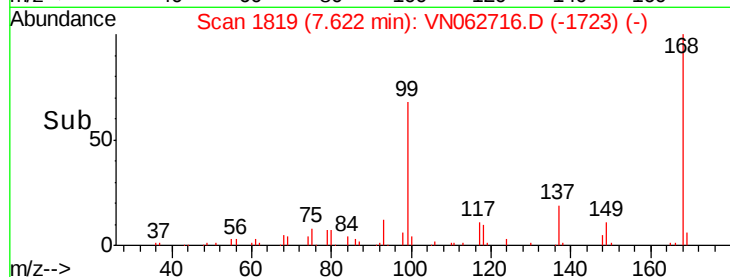
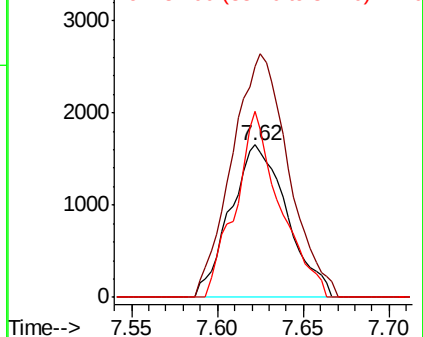
84 122.6 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VN062716.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062716.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062716.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.246 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062716.D

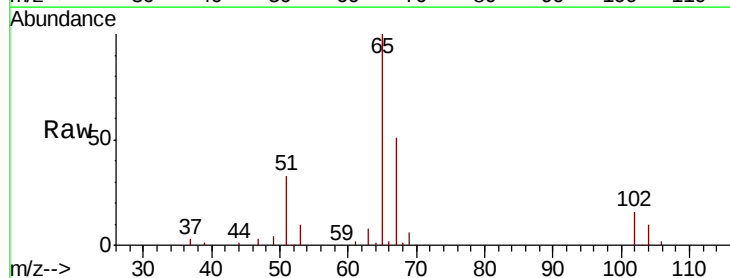
Acq: 1 Aug 2020 4:24

Tgt Ion: 65 Resp: 127008

Ion Ratio Lower Upper

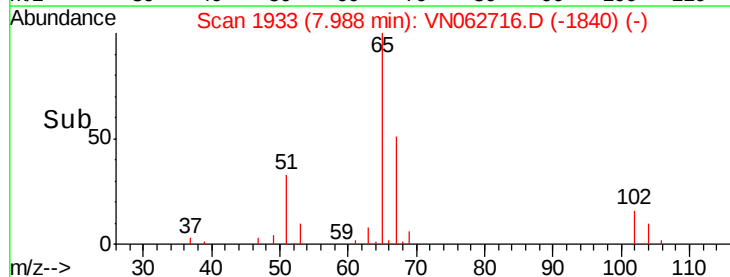
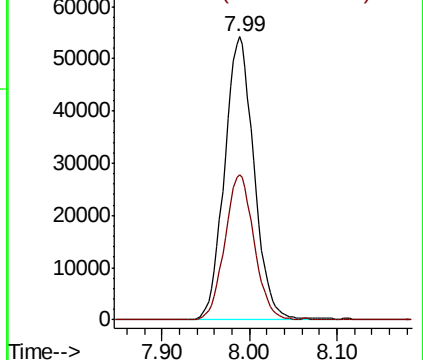
65 100

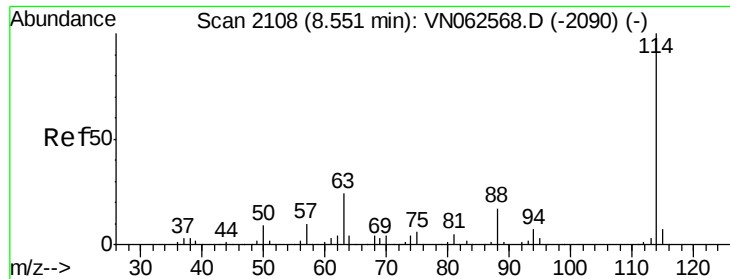
67 50.7 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062716.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062716.D (-1840) (-)

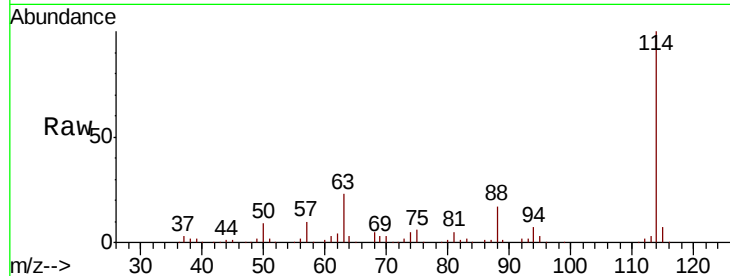




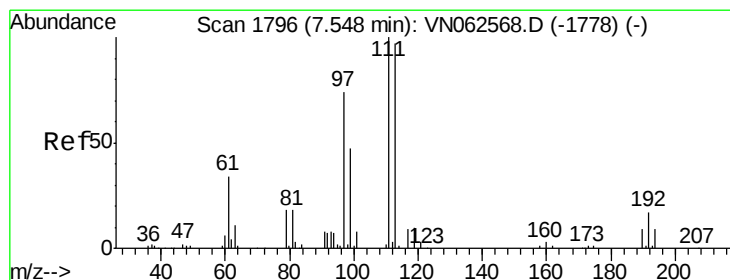
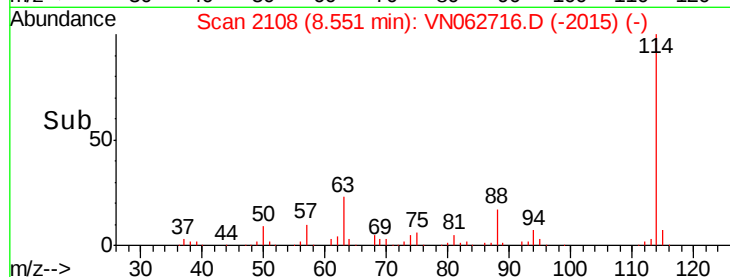
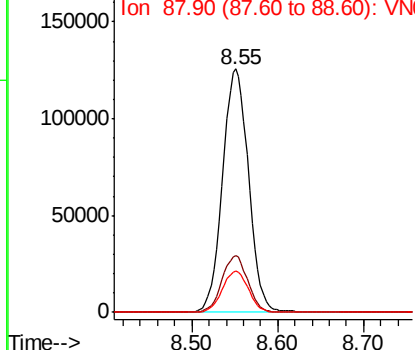
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Tot Ion:114 Resp: 264489
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.2 0.0 33.8

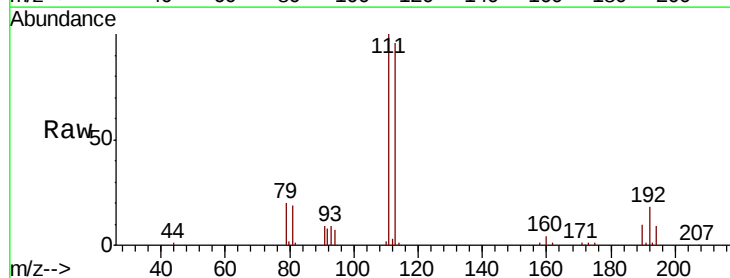


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

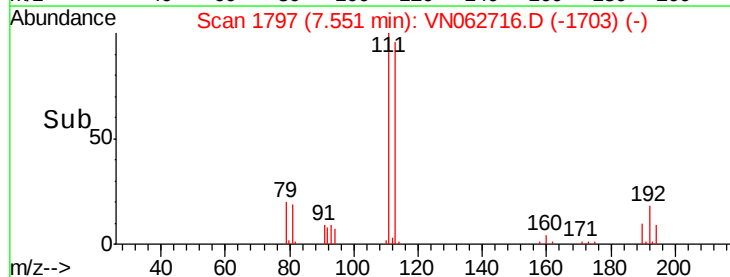
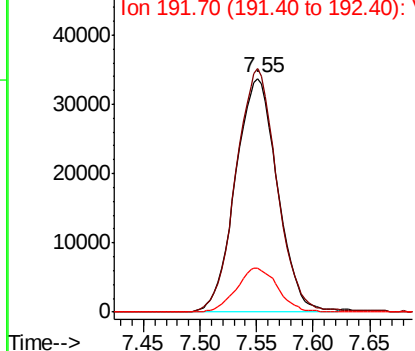


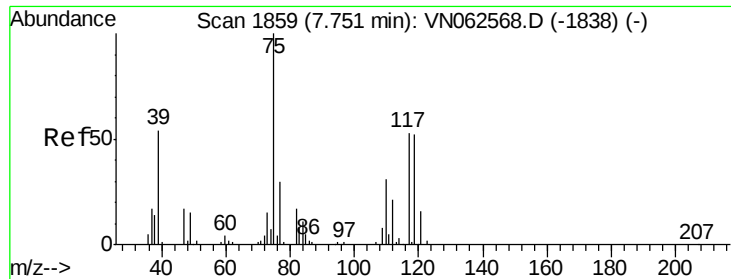
#35
 Dibromofluoromethane
 Concen: 50.083 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Tgt Ion:113 Resp: 87010
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 18.6 14.8 22.2



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

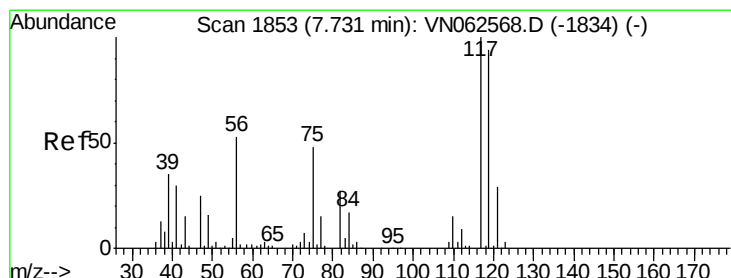
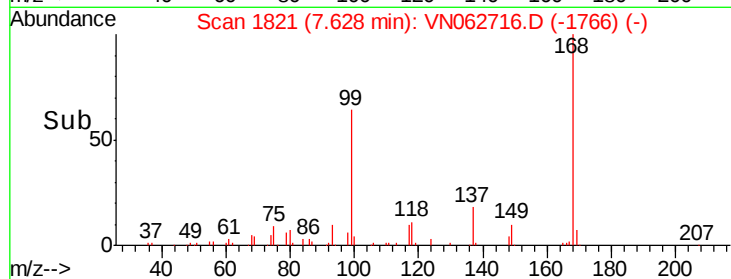
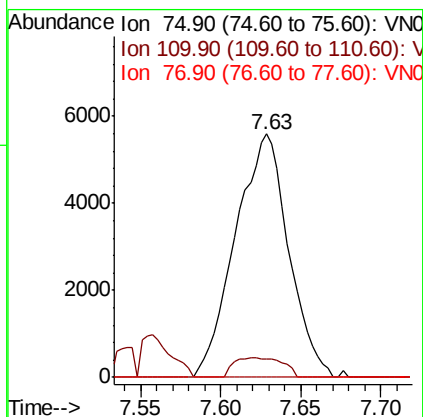
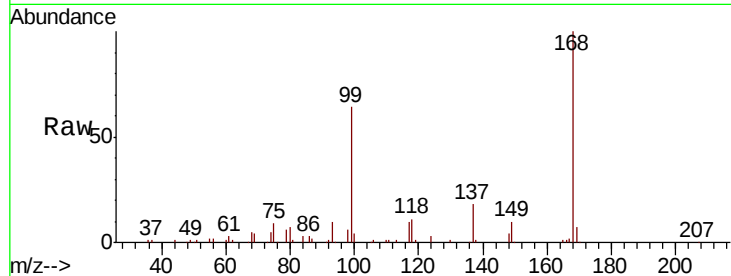




#36
 1,1-Dichloropropene
 Concen: 4.527 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

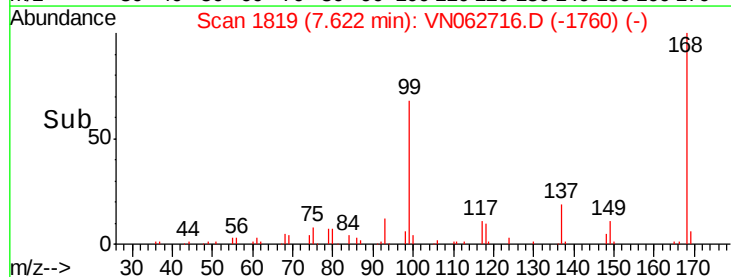
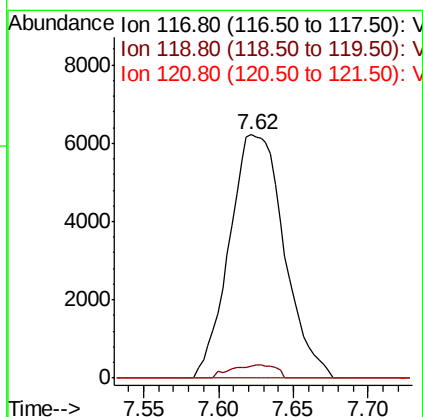
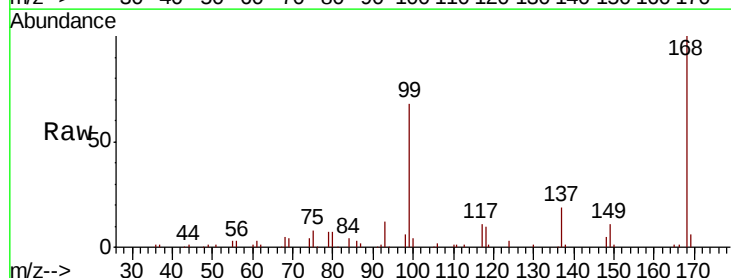
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

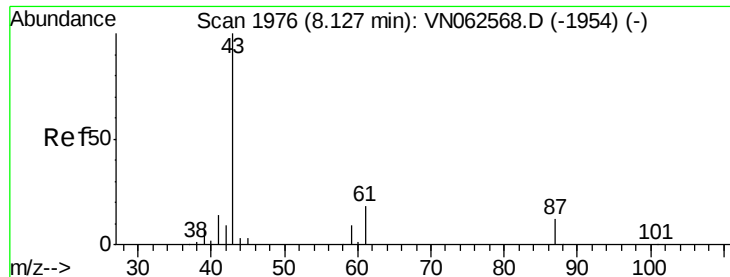
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.832 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 7.439 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampled :

TP-7

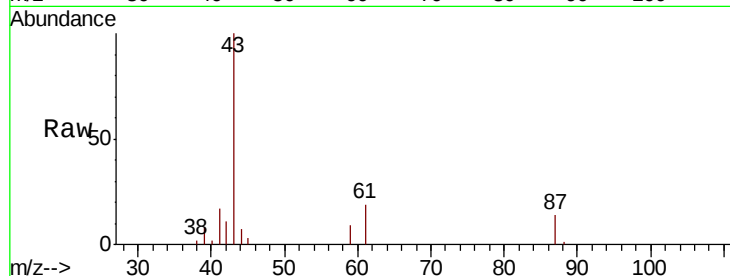
Tot Ion: 43 Resp: 36445

Ion Ratio Lower Upper

43 100

61 18.6 20.8 31.2#

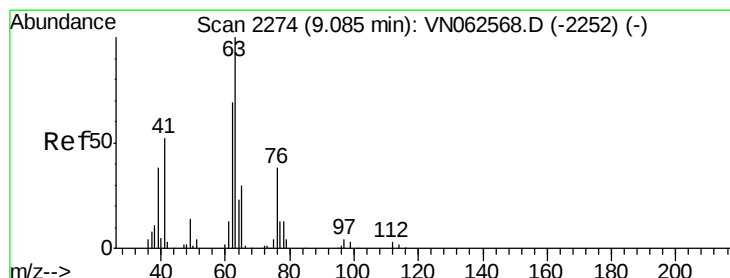
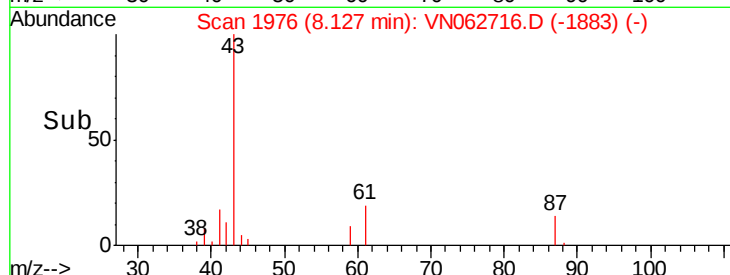
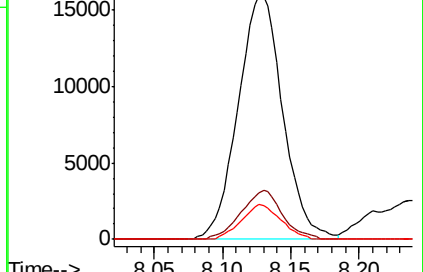
87 12.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062716.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062716.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062716.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.276 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.16 min

Lab File: VN062716.D

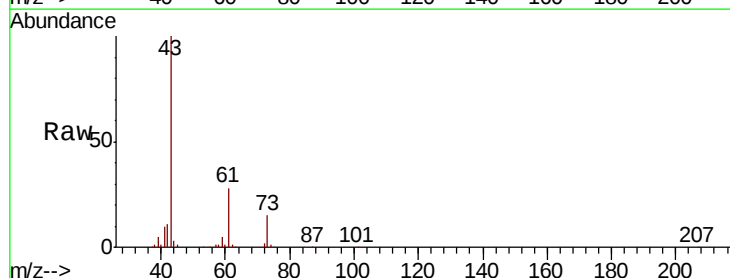
Acq: 1 Aug 2020 4:24

Tgt Ion: 63 Resp: 662

Ion Ratio Lower Upper

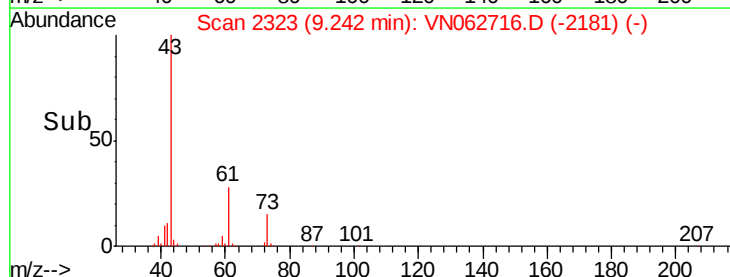
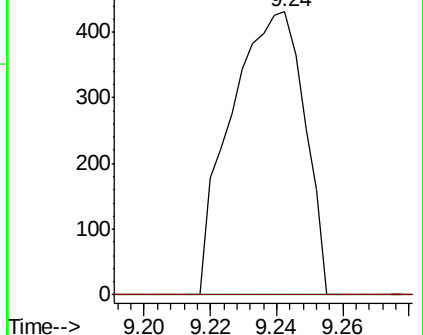
63 100

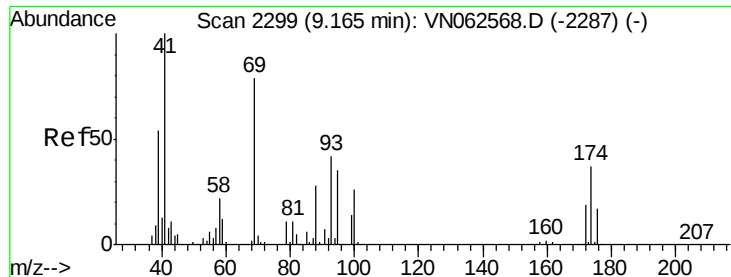
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062716.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062716.D (-2181) (-)

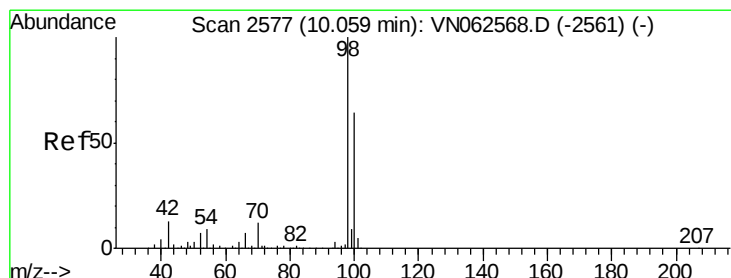
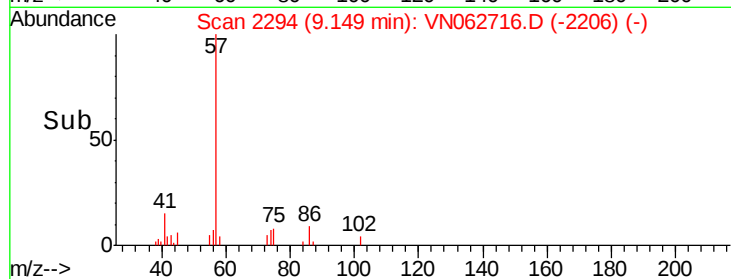
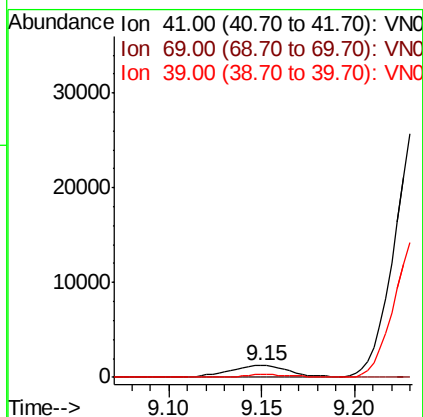
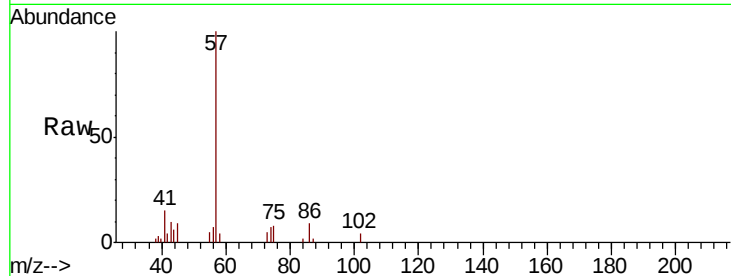




#48
Methvl methacrylate
Concen: 1.200 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

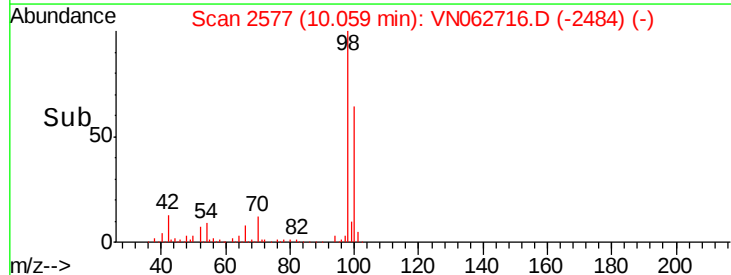
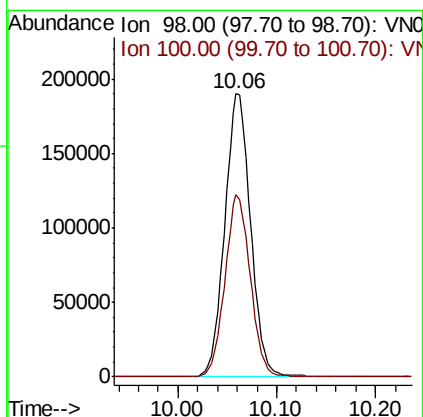
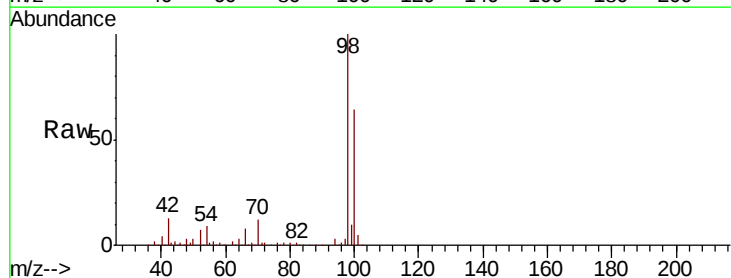
Instrument :
MSVOA_N
ClientSampleId :
TP-7

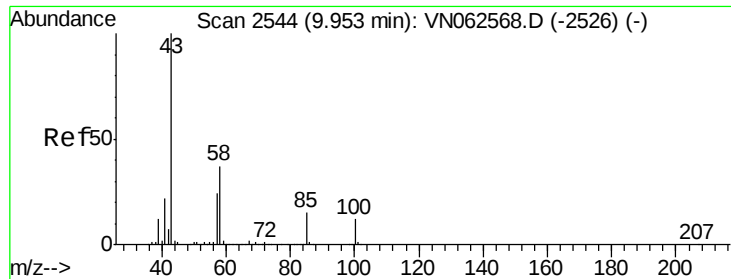
Tot Ion: 41 Resp: 2794
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.241 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

Tgt Ion: 98 Resp: 348257
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.573 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampled :

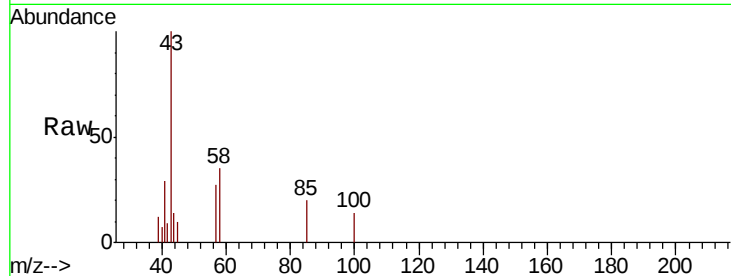
TP-7

Tot Ion: 43 Resp: 4610

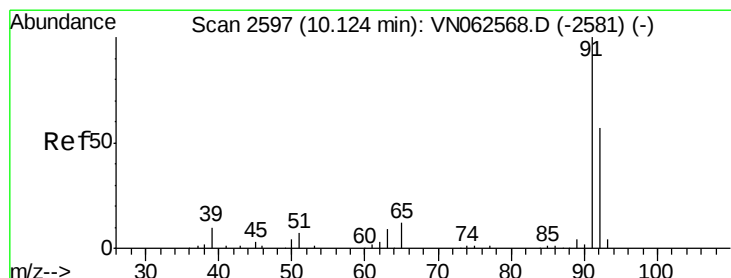
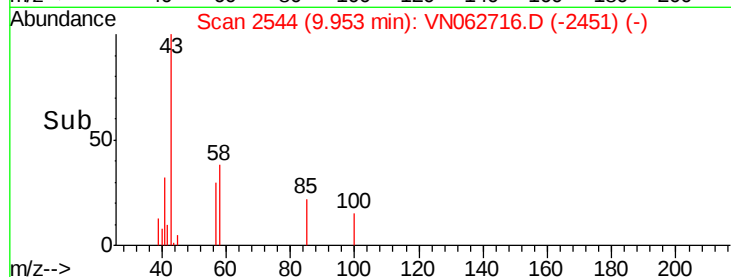
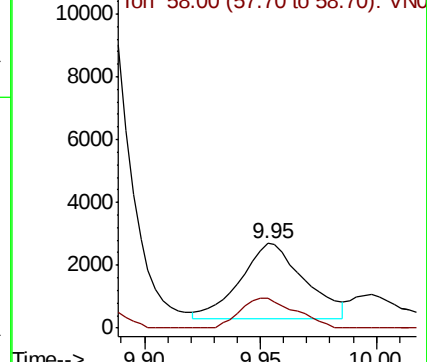
Ion Ratio Lower Upper

43 100

58 34.3 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)



#52

Toluene

Concen: 0.310 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062716.D

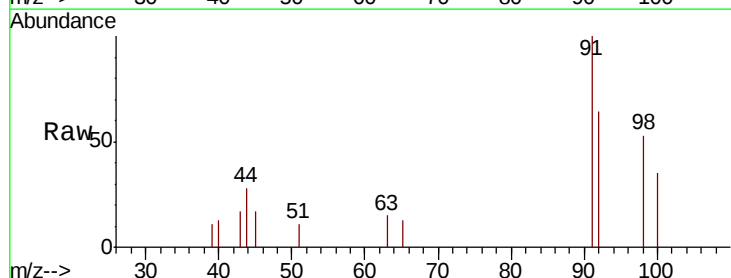
Acq: 1 Aug 2020 4:24

Tgt Ion: 92 Resp: 1536

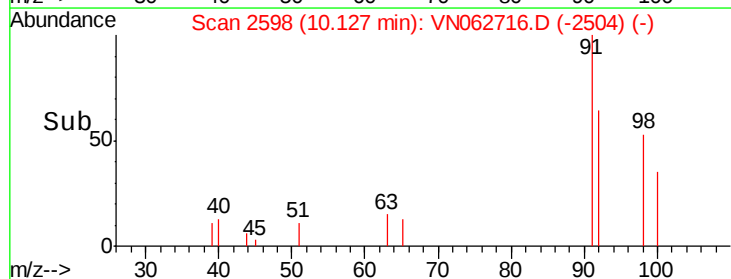
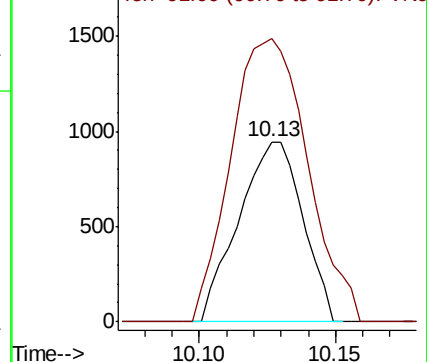
Ion Ratio Lower Upper

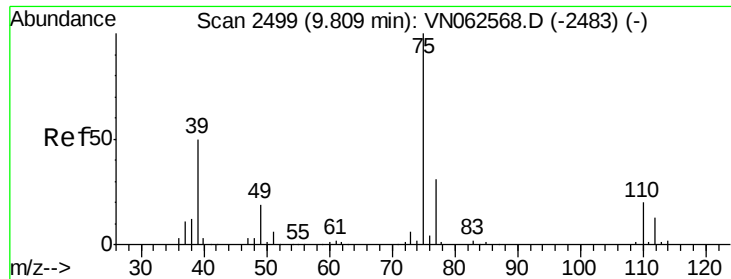
92 100

91 189.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062568.D (-2581) (-)

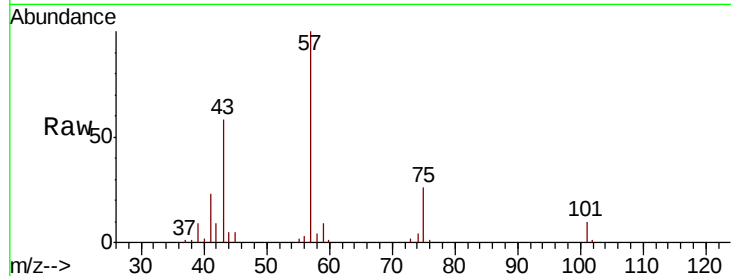




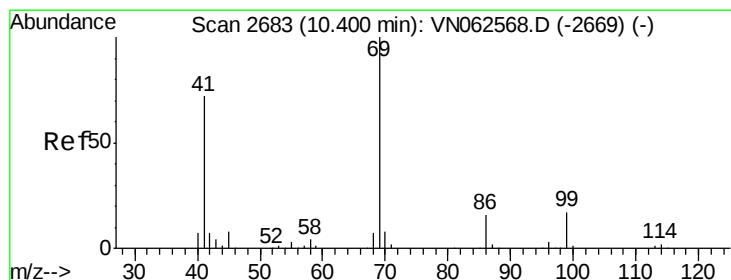
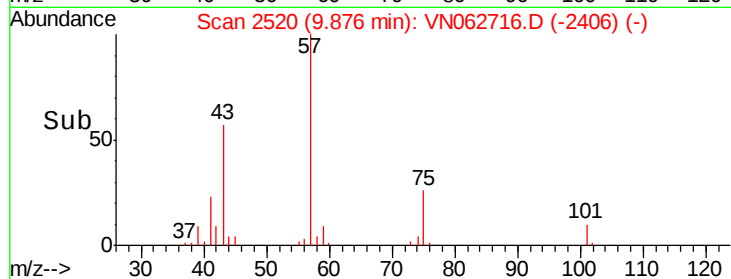
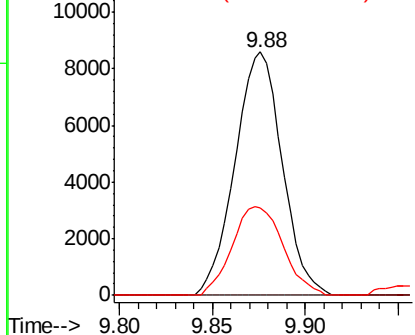
#54
 cis-1,3-Dichloropropene
 Concen: 4.230 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Tot Ion: 75 Resp: 15162
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.9 39.8 59.8#

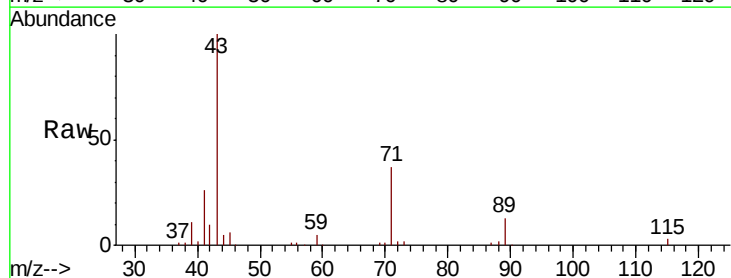


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

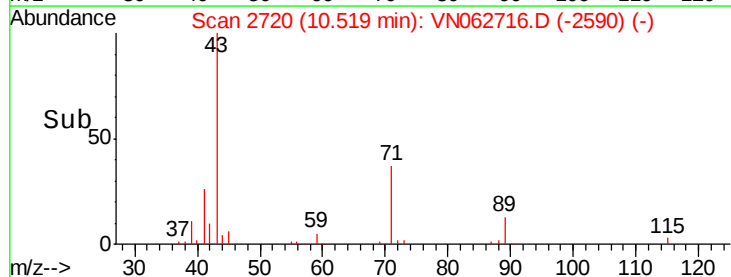
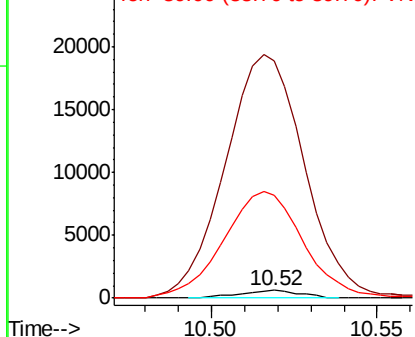


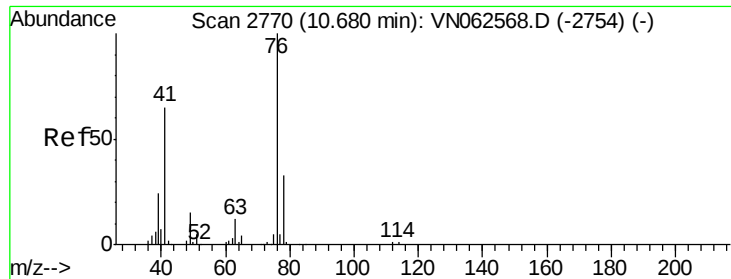
#56
 Ethyl methacrylate
 Concen: 1.984 ug/l
 RT: 10.52 min Scan# 2720
 Delta R.T. 0.12 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Tgt Ion: 69 Resp: 770
 Ion Ratio Lower Upper
 69 100
 41 4198.2 57.2 85.8#
 39 1853.5 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

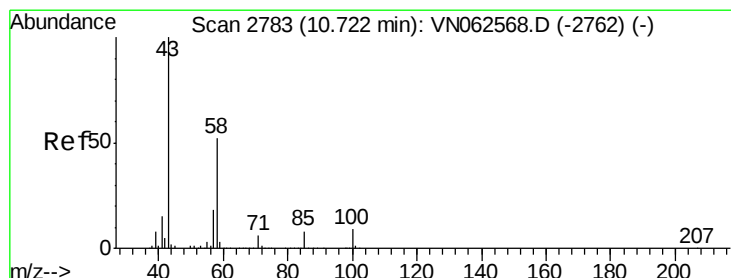
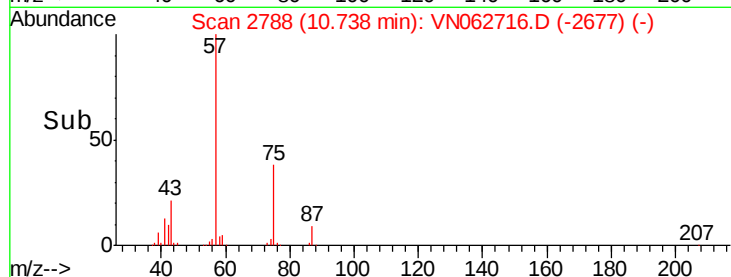
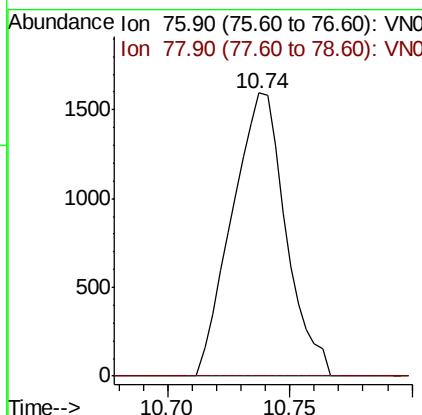
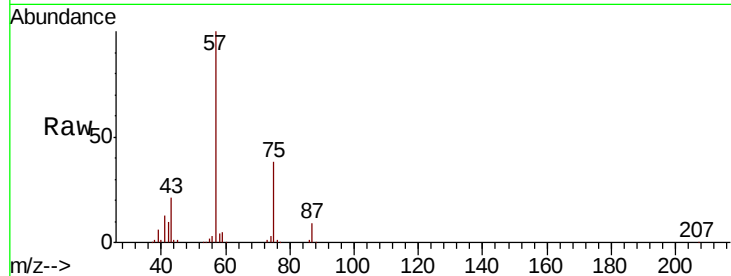




#57
 1,3-Dichloropropane
 Concen: 0.691 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

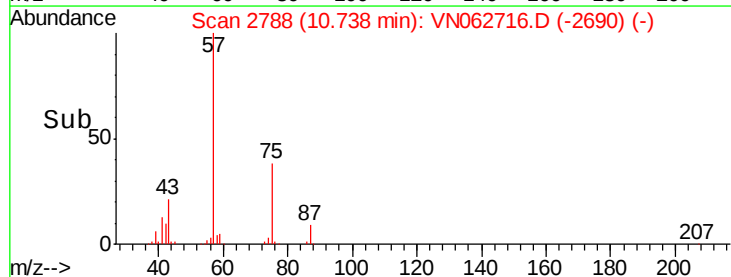
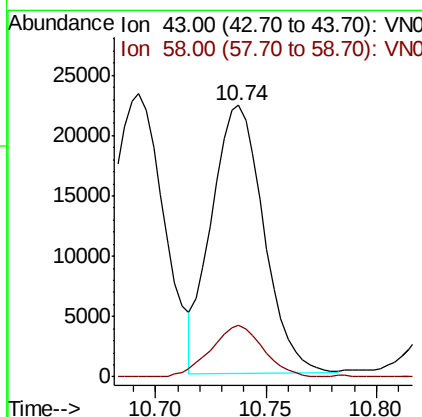
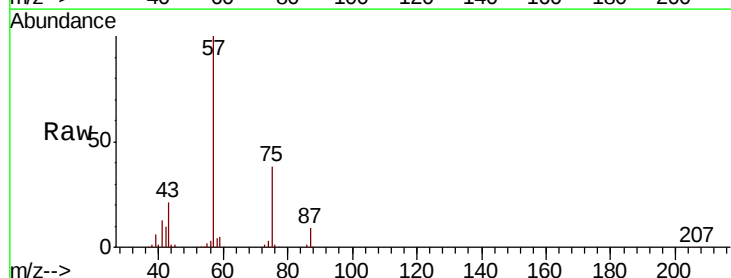
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Tot Ion: 76 Resp: 2435
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 18.842 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062716.D
 Acq: 1 Aug 2020 4:24

Tgt Ion: 43 Resp: 36436
 Ion Ratio Lower Upper
 43 100
 58 19.4 26.0 78.0#

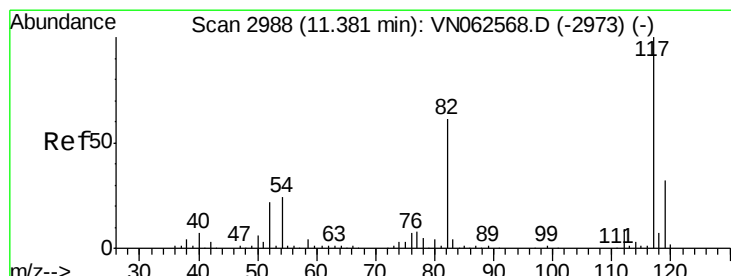
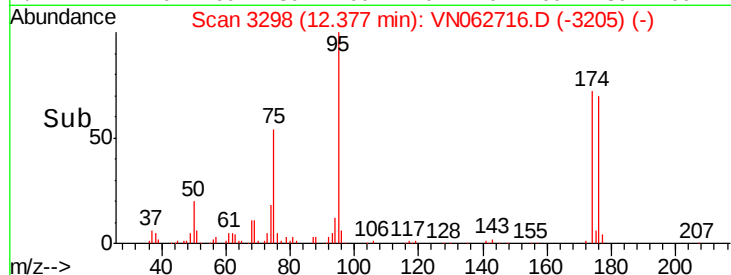
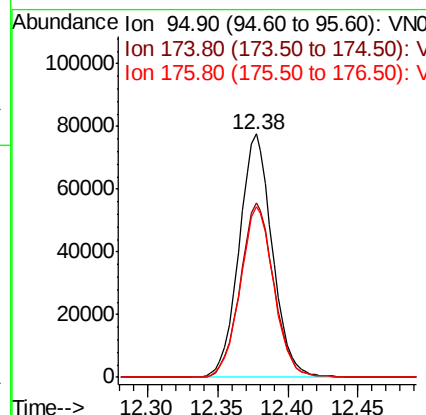
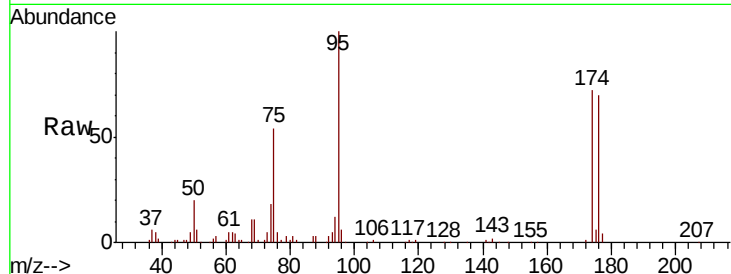




#62
4-Bromofluorobenzene
Concen: 50.446 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

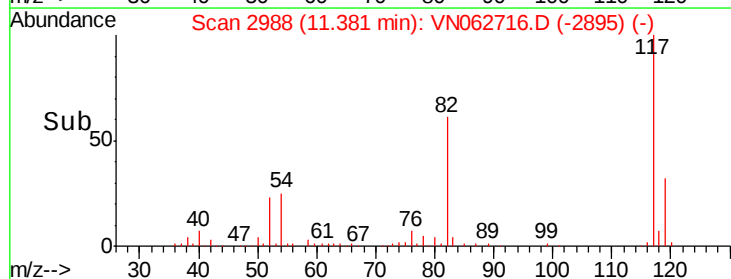
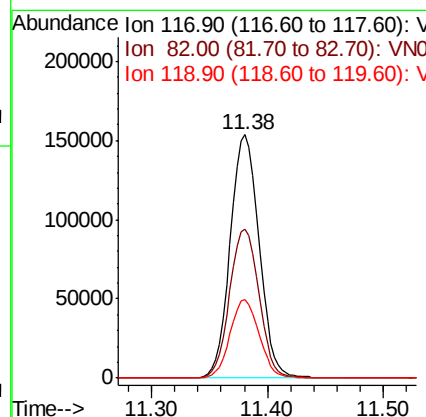
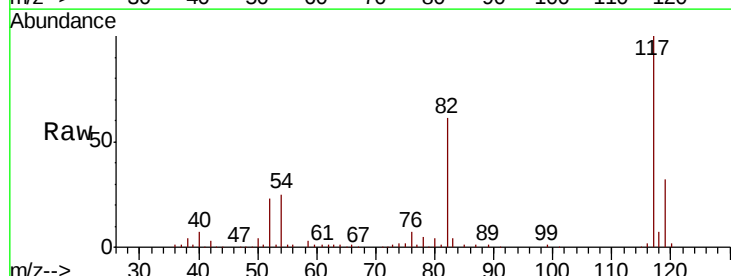
Instrument :
MSVOA_N
ClientSampled :
TP-7

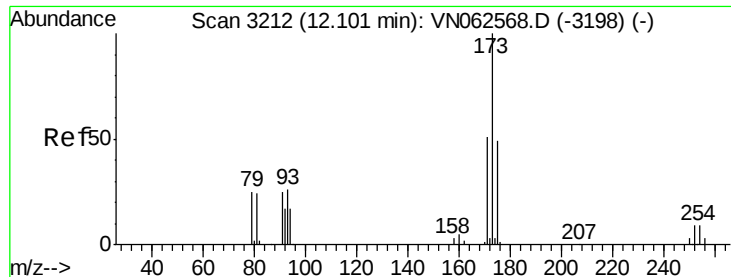
Tot Ion: 95 Resp: 127859
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.6
176 71.3 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

Tgt Ion: 117 Resp: 266591
Ion Ratio Lower Upper
117 100
82 61.4 49.0 73.6
119 32.4 25.4 38.2





#71

Bromoform

Concen: 0.260 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampled :

TP-7

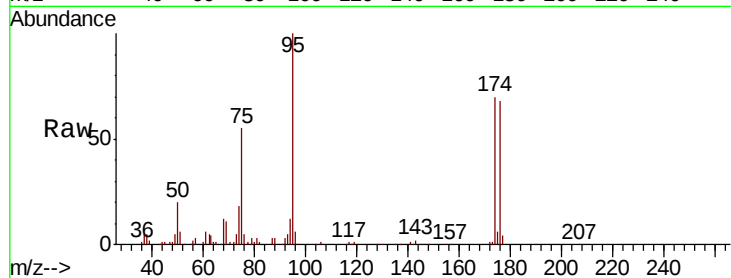
Tot Ion:173 Resp: 411

Ion Ratio Lower Upper

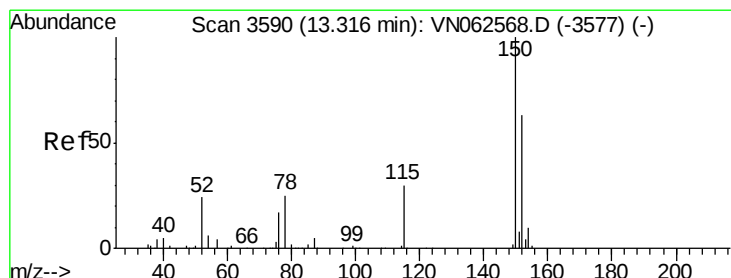
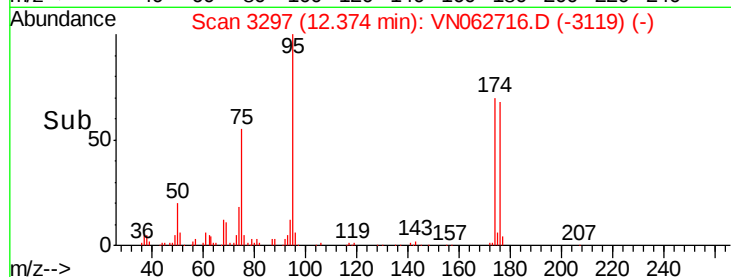
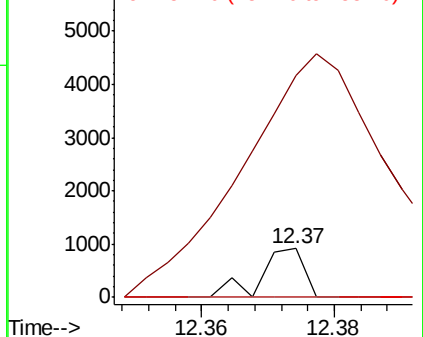
173 100

175 1456.7 24.1 72.2#

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: VN062716.D

Acq: 1 Aug 2020 4:24

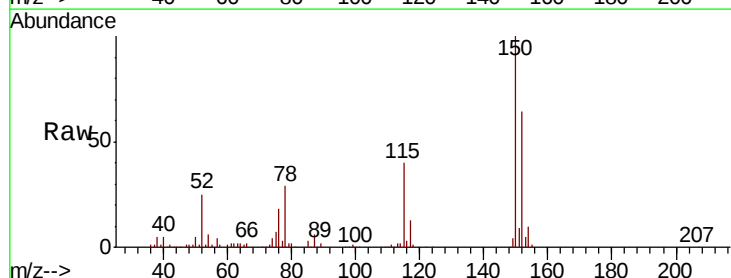
Tgt Ion:152 Resp: 99208

Ion Ratio Lower Upper

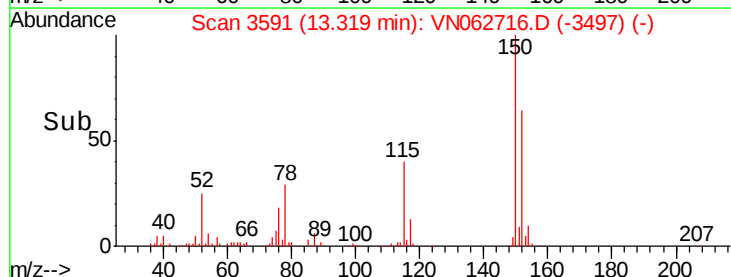
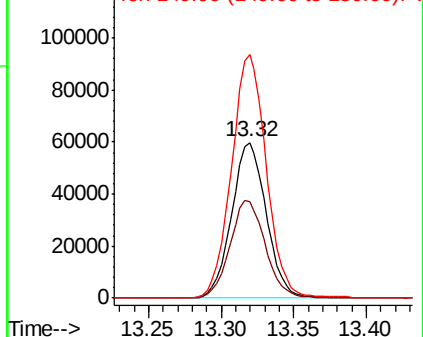
152 100

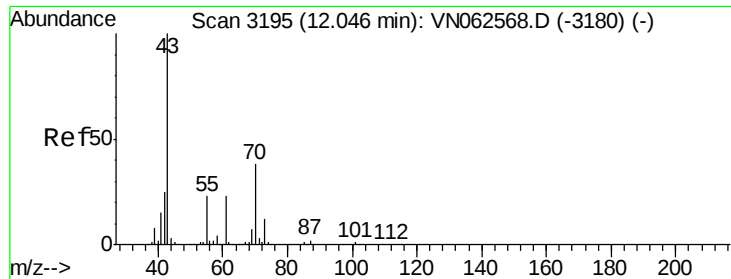
115 63.9 31.8 95.4

150 157.4 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

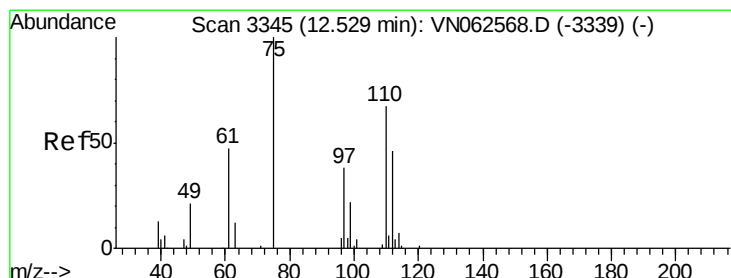
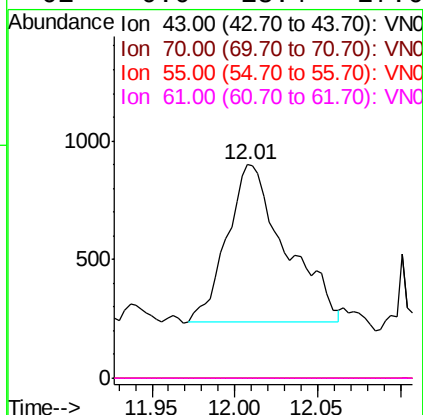
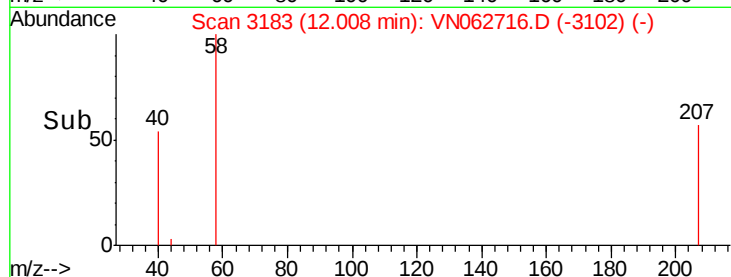
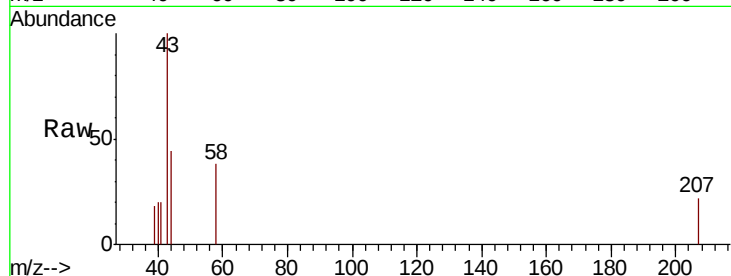




#74
N-amvl acetate
Concen: 0.466 ug/l
RT: 12.01 min Scan# 3183
Delta R.T. -0.04 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

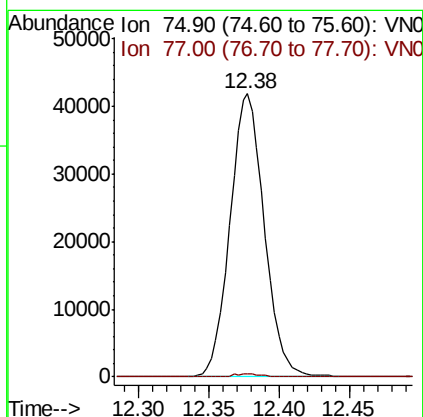
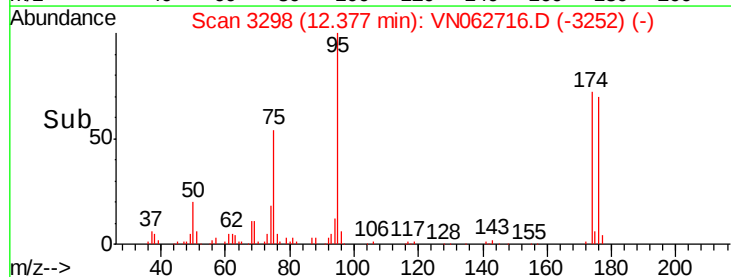
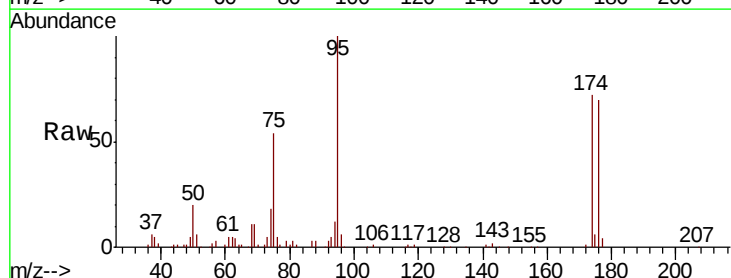
Instrument :
MSVOA_N
ClientSampled :
TP-7

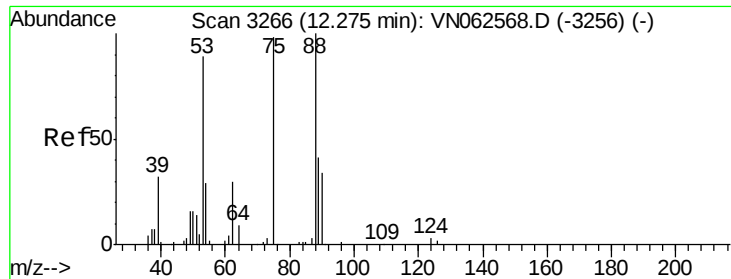
Tot Ion: 43 Resp: 1632
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 0.0 19.0 28.6#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 28.110 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062716.D
Acq: 1 Aug 2020 4:24

Tgt Ion: 75 Resp: 70983
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 78.251 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062716.D

Acq: 1 Aug 2020 4:24

Instrument :

MSVOA_N

ClientSampleId :

TP-7

Tot Ion: 75 Resp: 70983

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

