

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061120\
 Data File : VN061774.D
 Acq On : 12 Jun 2020 7:14
 Operator : JC/MD
 Sample : PB129452ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#04

Quant Time: Jun 12 08:45:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	286901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	488007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	505542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	161868	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.55	113	130507	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.06	98	600634	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.38	95	211871	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

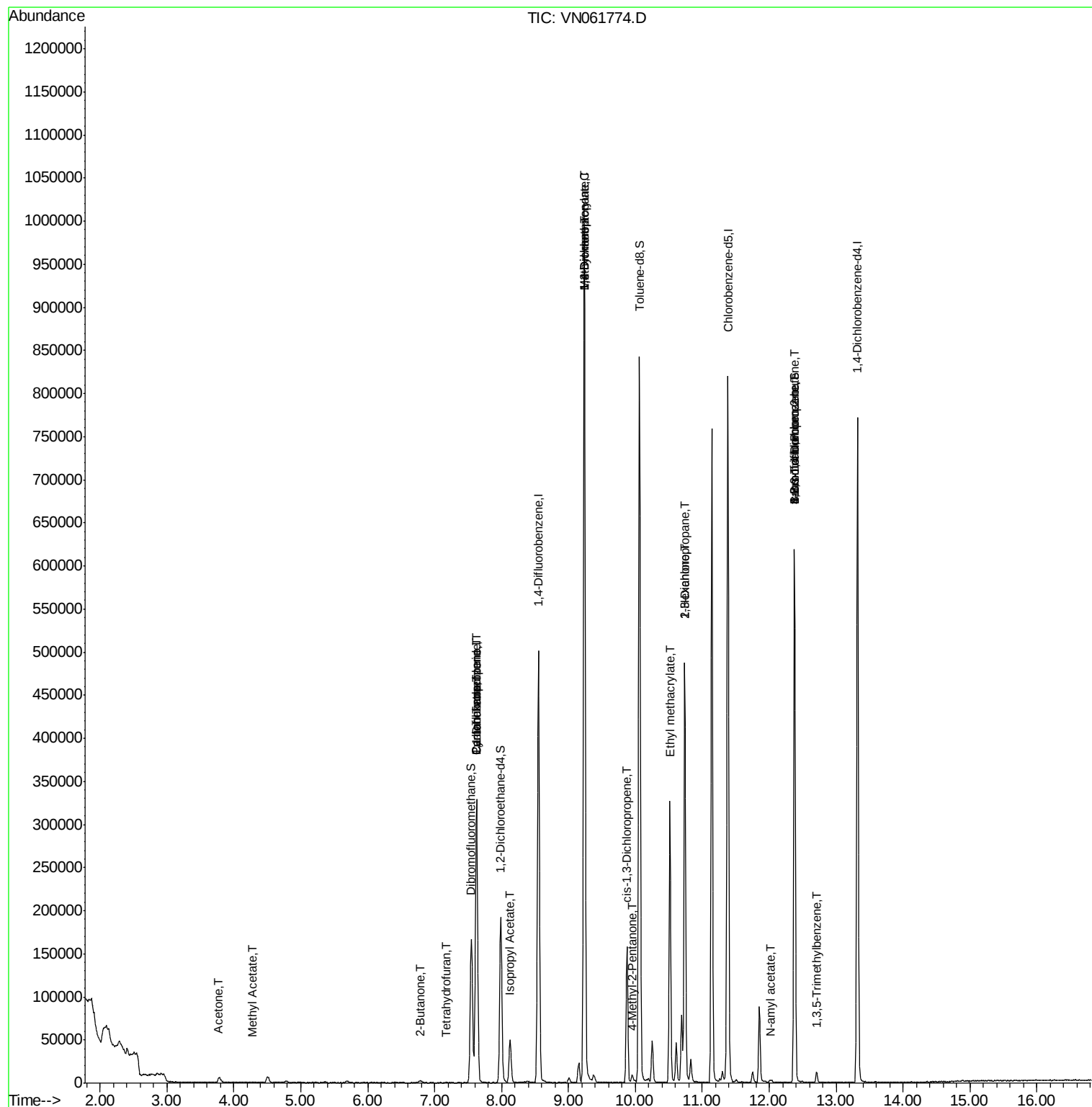
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	10682	5.27	ug/l	91
18) Methyl Acetate	4.28	43	1213	0.39	ug/l #	66
25) 2-Butanone	6.79	43	1943	1.20	ug/l #	86
29) Tetrahydrofuran	7.18	42	382	0.36	ug/l #	50
31) Cyclohexane	7.63	56	4917	1.02	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	19277	4.46	ug/l #	44
38) Carbon Tetrachloride	7.63	117	26384	6.33	ug/l #	17
43) Isopropyl Acetate	8.13	43	54944	8.78	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1367	0.43	ug/l #	44
48) Methyl methacrylate	9.24	41	92099	32.70	ug/l #	32
49) 1,4-Dioxane	9.24	88	122	2.80	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	4300	1.22	ug/l #	79
54) cis-1,3-Dichloropropene	9.87	75	32631	5.86	ug/l #	64
56) Ethyl methacrylate	10.52	69	1500	0.31	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5450	0.98	ug/l #	42
59) 2-Hexanone	10.74	43	59607	23.53	ug/l #	50
71) Bromoform	12.38	173	1423	0.47	ug/l #	1
74) N-amyl acetate	12.01	43	1885	0.37	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	103086	25.44	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	7352	0.54	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	103086	65.05	ug/l #	15

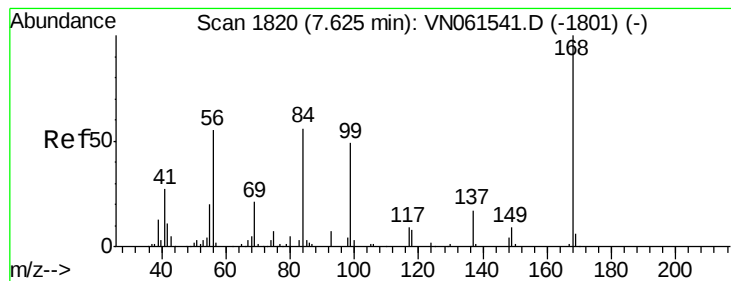
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

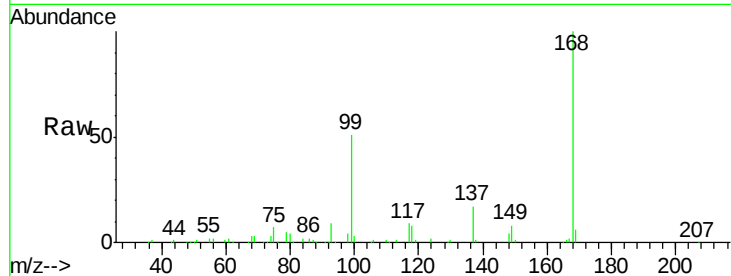
PB129452ZHE#04

Tgt Ion:168 Resp: 286901

Ion Ratio Lower Upper

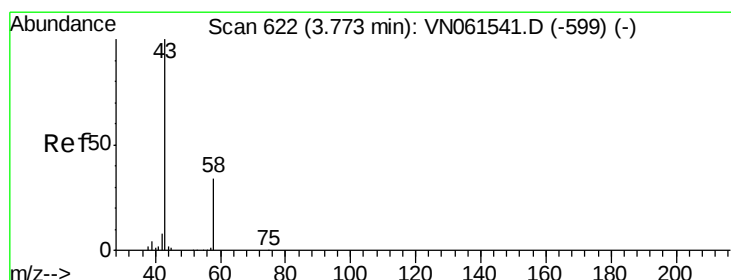
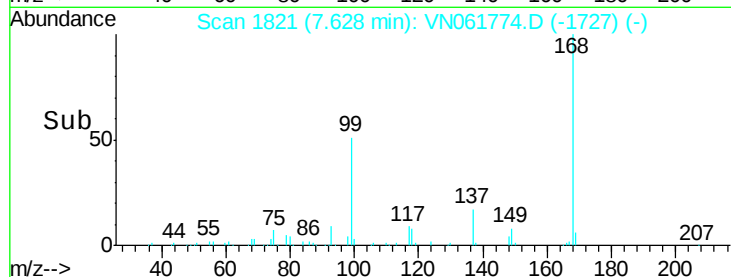
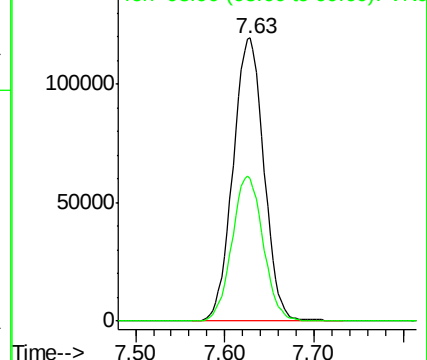
168 100

99 50.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.27 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061774.D

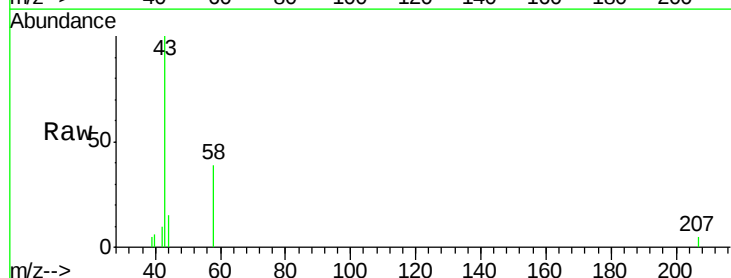
Acq: 12 Jun 2020 7:14

Tgt Ion: 43 Resp: 10682

Ion Ratio Lower Upper

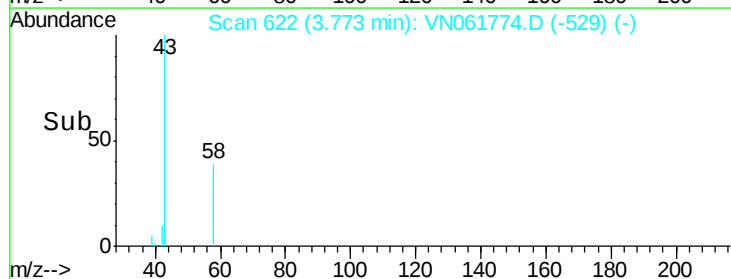
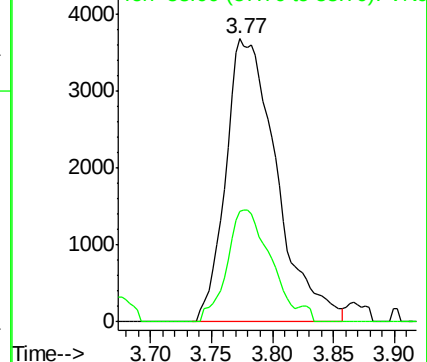
43 100

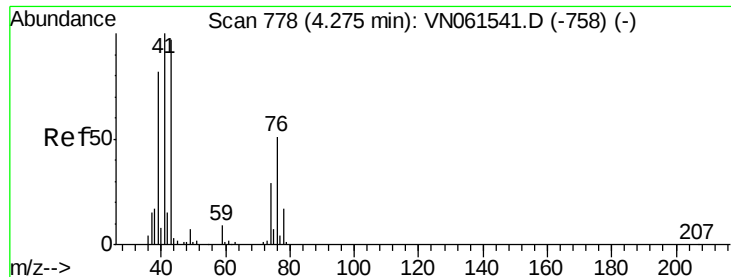
58 38.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

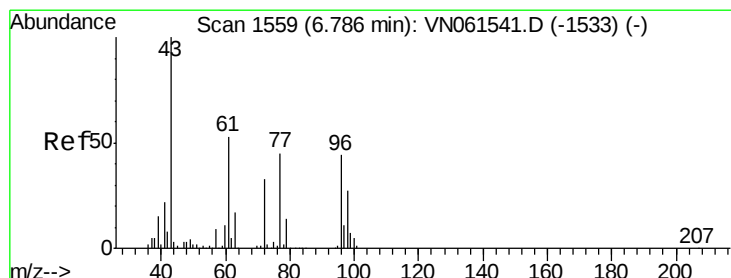
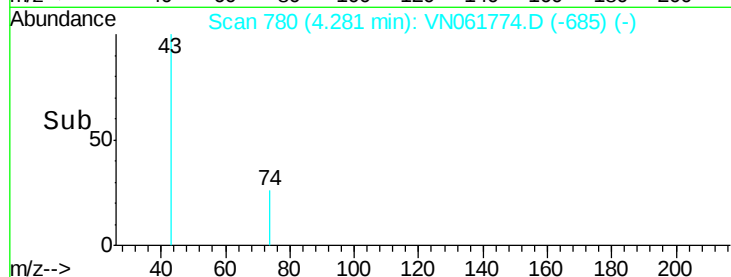
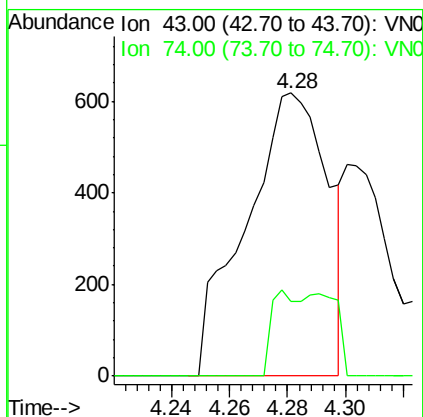
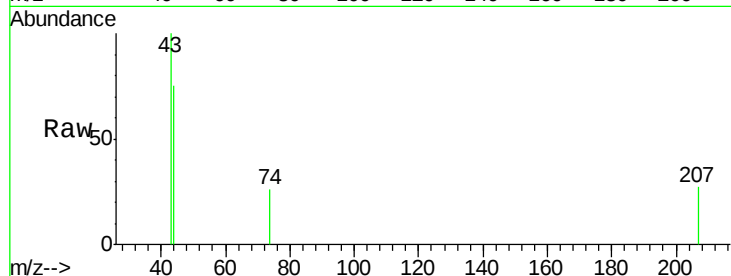




#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

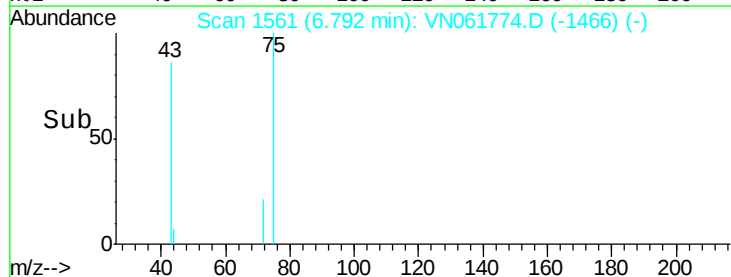
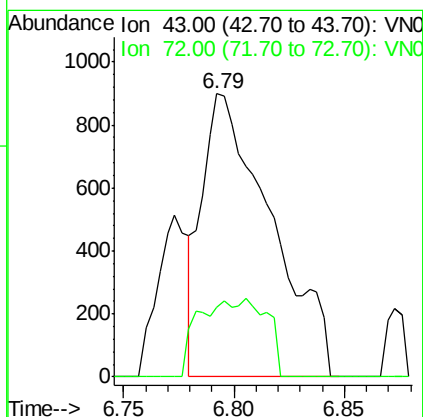
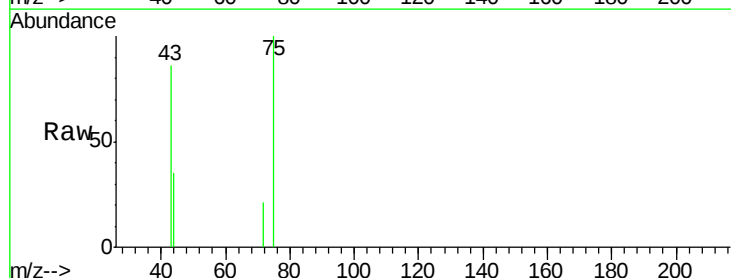
Instrument :
MSVOA_N
ClientSampleId :
PB129452ZHE#04

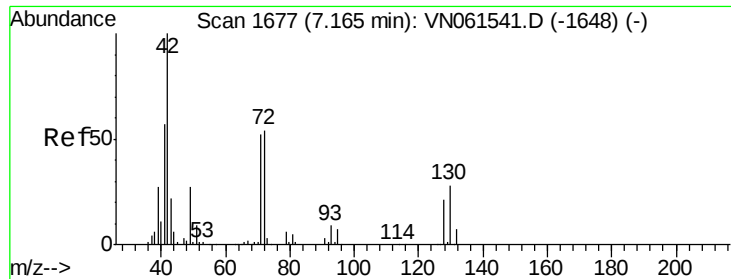
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
74 10.9 23.2 34.8#



#25
2-Butanone
Concen: 1.20 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
72 24.6 26.0 39.0#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

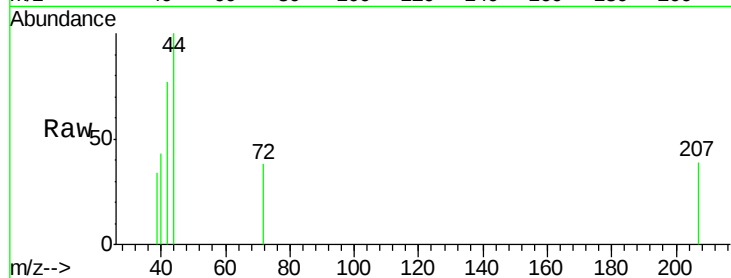
Tgt Ion: 42 Resp: 382

Ion Ratio Lower Upper

42 100

72 34.3 43.6 65.4#

71 0.0 41.2 61.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.18

400

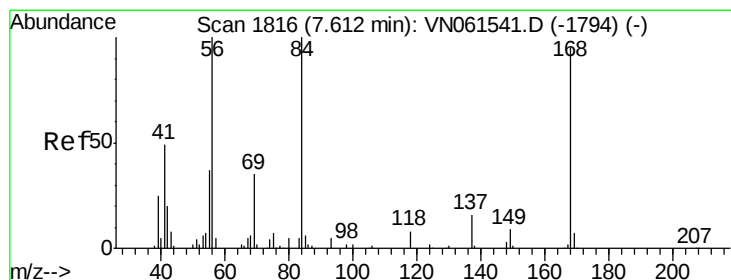
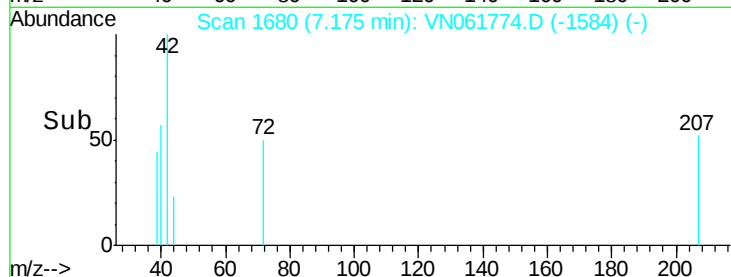
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.02 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

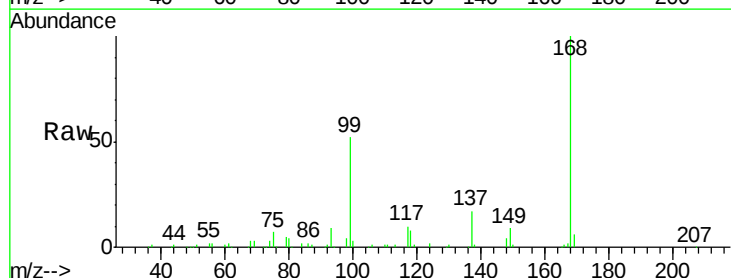
Tgt Ion: 56 Resp: 4917

Ion Ratio Lower Upper

56 100

69 179.6 27.8 41.8#

84 132.2 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

5000

4000

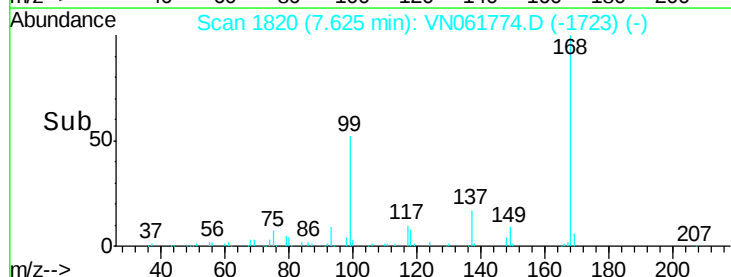
3000

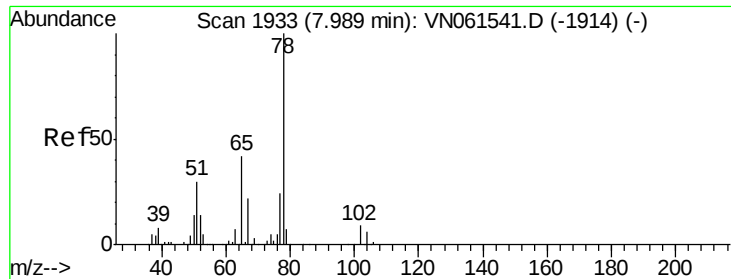
2000

1000

0

Time-->

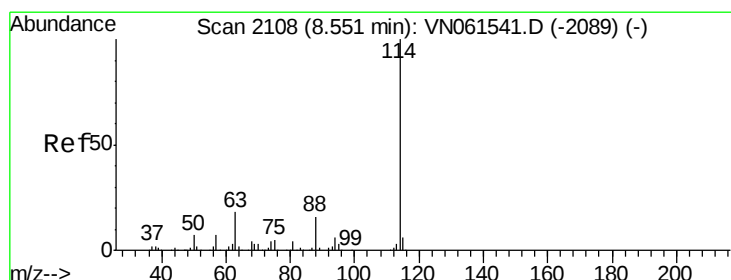
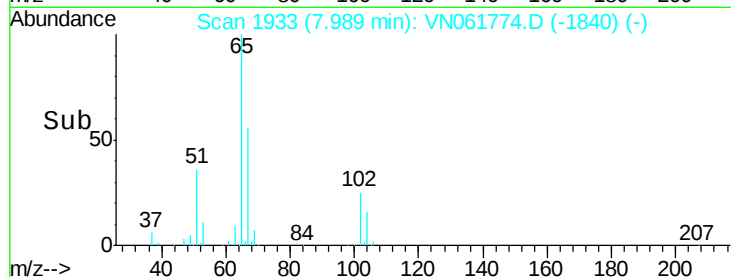
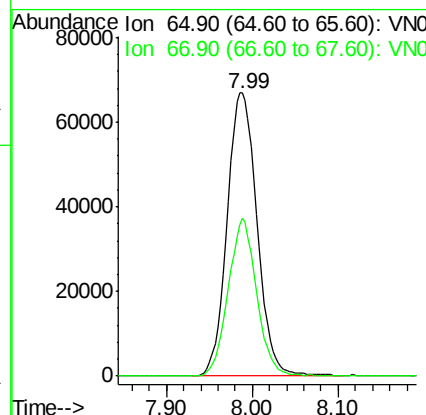
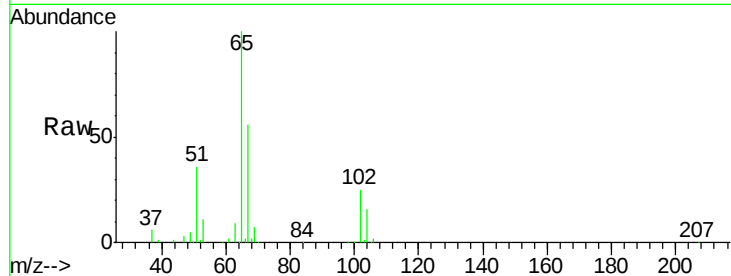




#33
 1,2-Dichloroethane-d4
 Concen: 47.35 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

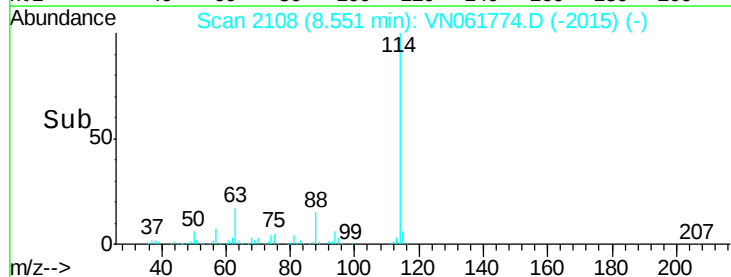
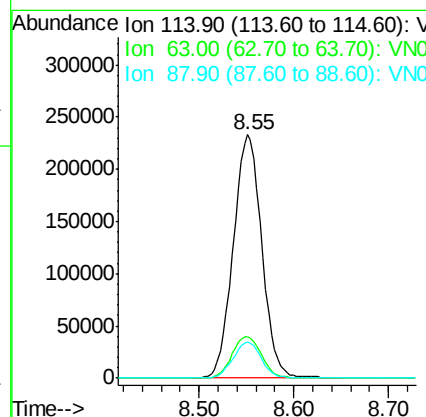
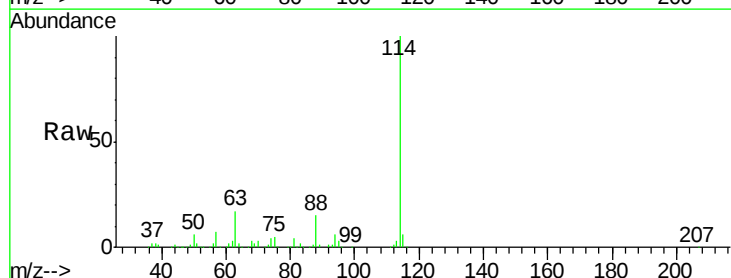
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#04

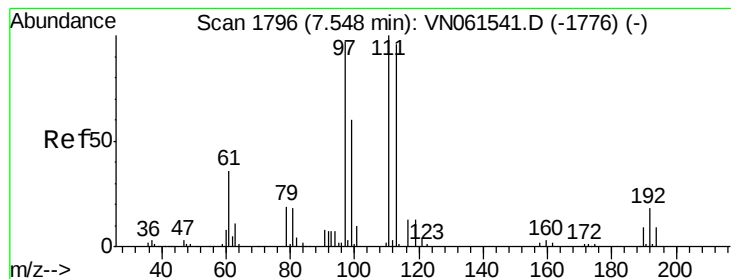
Tgt Ion: 65 Resp: 161868
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

Tgt Ion: 114 Resp: 488007
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.8
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.72 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

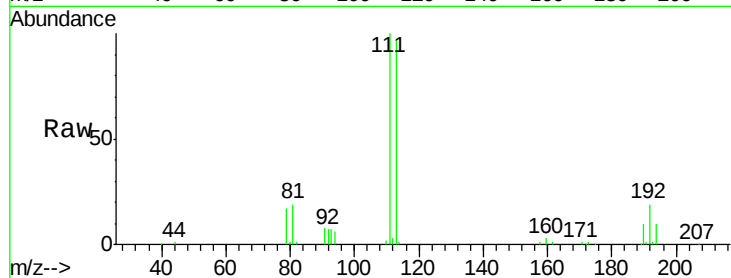
Tgt Ion:113 Resp: 130507

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.0

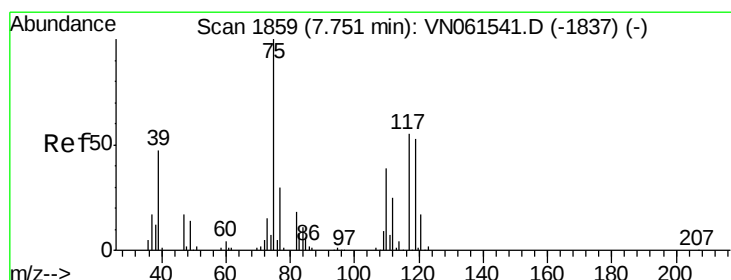
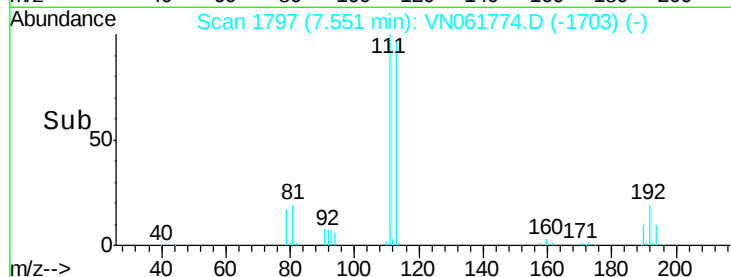
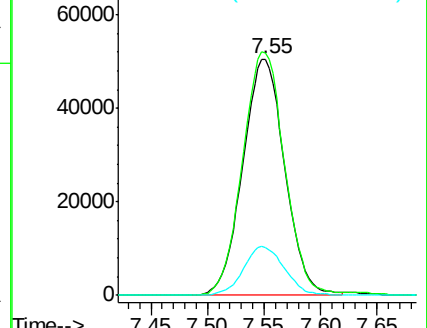
192 20.2 15.4 23.2



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: 4.46 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

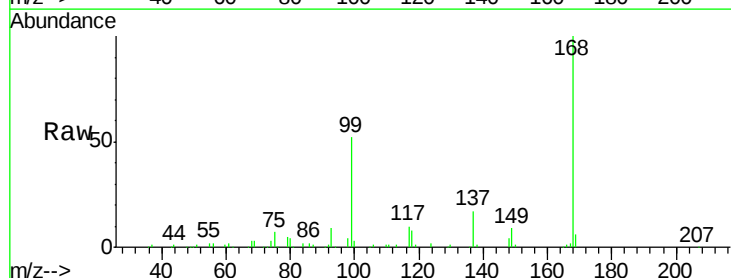
Tgt Ion: 75 Resp: 19277

Ion Ratio Lower Upper

75 100

110 4.6 19.5 58.5#

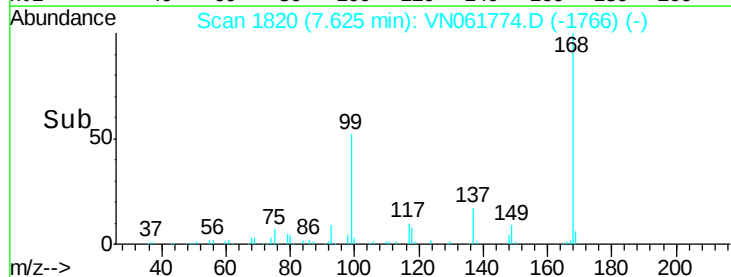
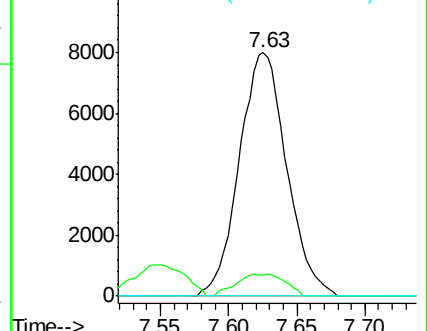
77 0.0 24.7 37.1#

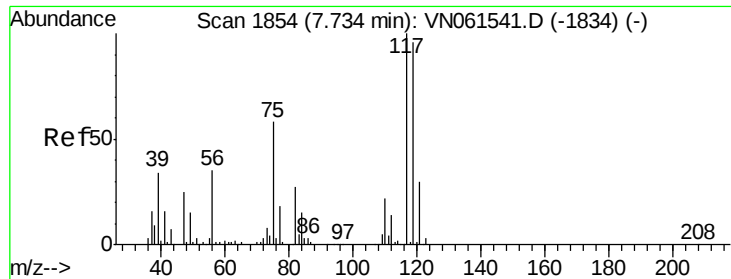


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

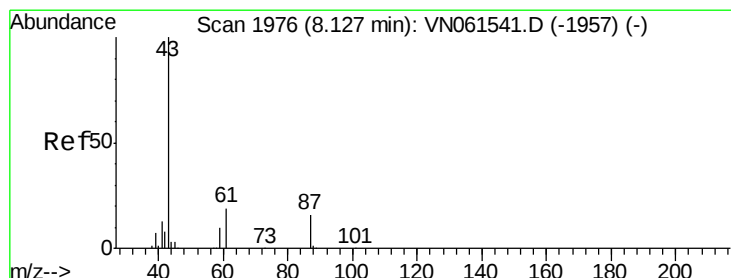
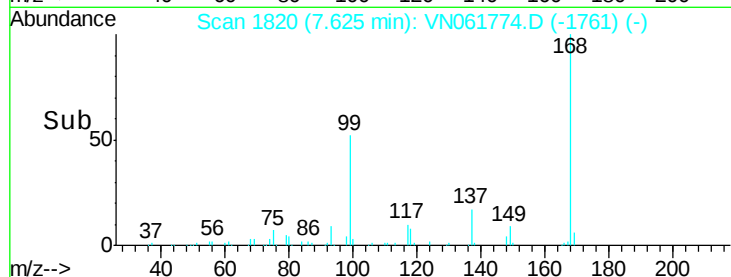
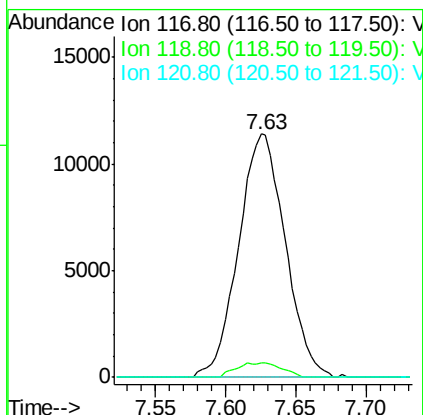
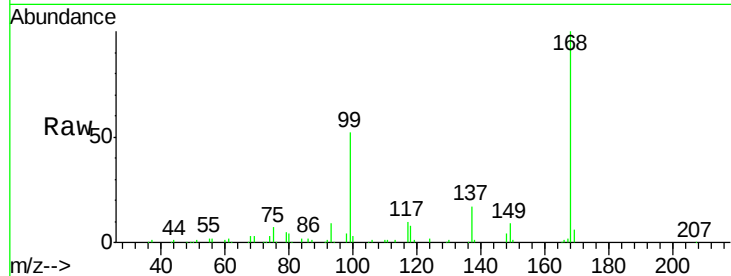




#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

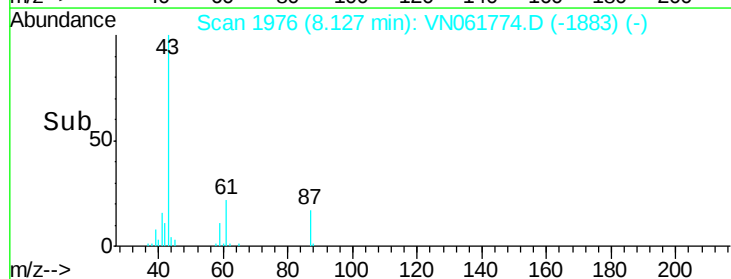
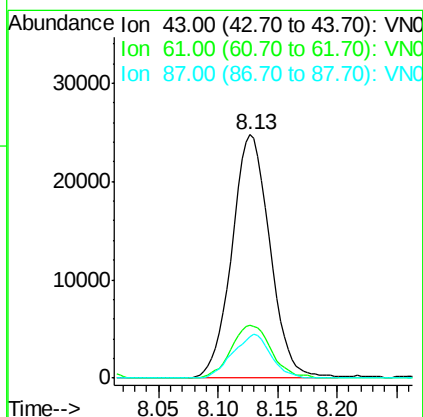
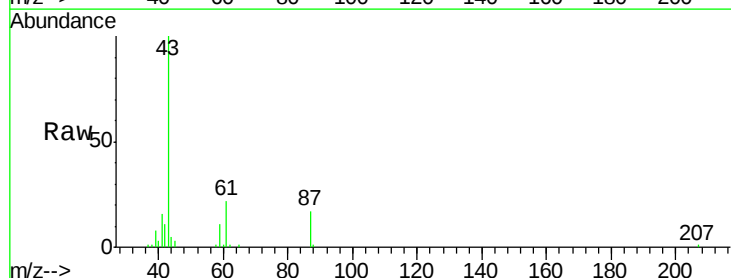
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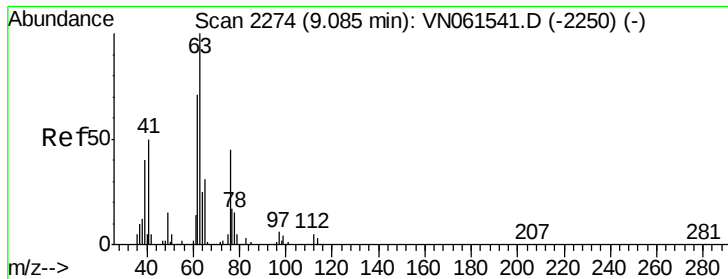
Tgt Ion: 117 Resp: 26384
Ion Ratio Lower Upper
117 100
119 6.0 76.5 114.7#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 8.78 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

Tgt Ion: 43 Resp: 54944
Ion Ratio Lower Upper
43 100
61 22.7 23.6 35.4#
87 17.8 13.0 19.6

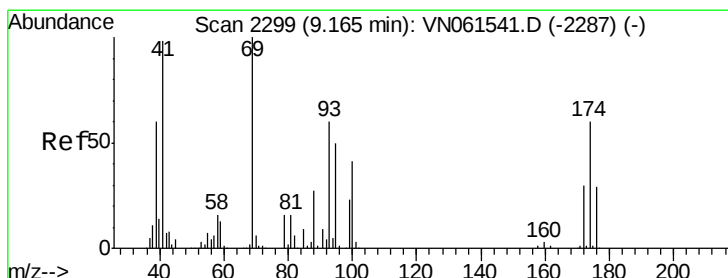
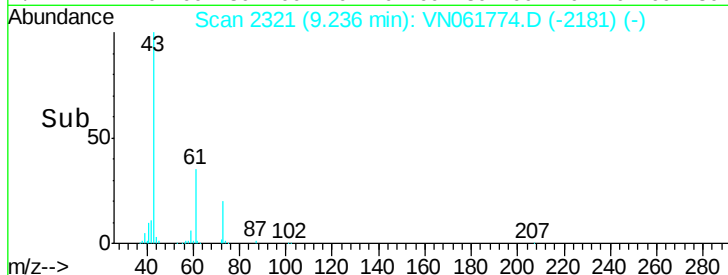
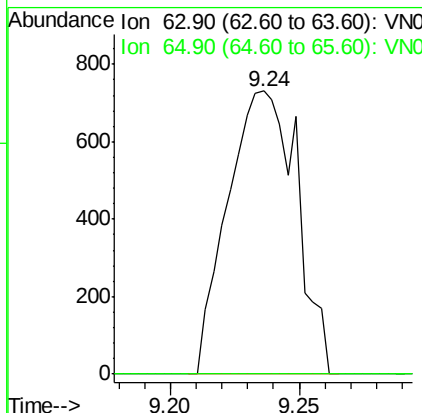
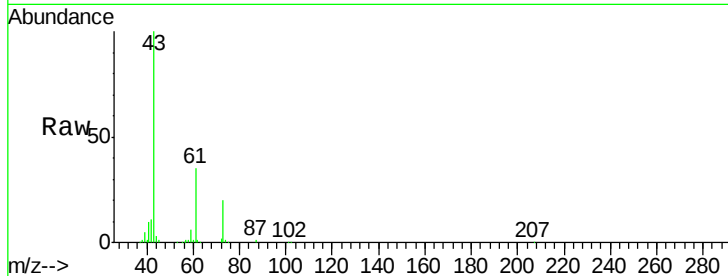




#45
 1,2-Dichloropropane
 Concen: 0.43 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

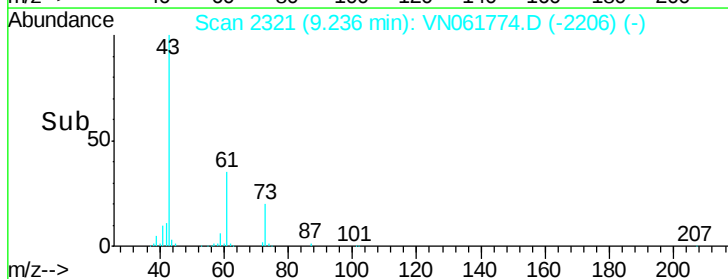
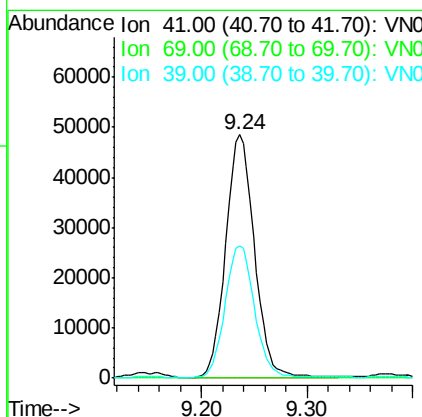
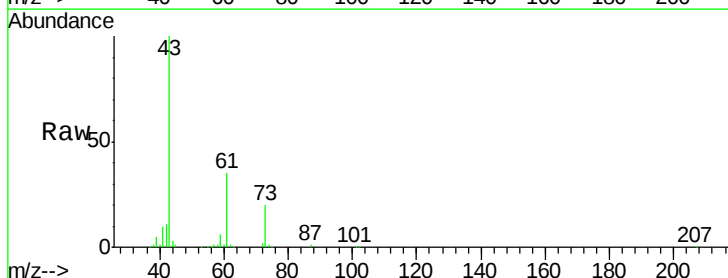
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 MSVOA_N
 ClientSampleId :
 PB129452ZHE#04

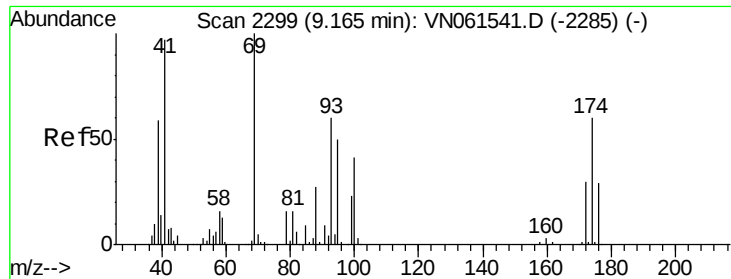
Tgt Ion: 63 Resp: 1367
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 32.70 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

Tgt Ion: 41 Resp: 92099
 Ion Ratio Lower Upper
 41 100
 69 0.1 83.9 125.9#
 39 55.3 52.1 78.1





#49

1,4-Dioxane

Concen: 2.80 ug/l

RT: 9.24 min Scan# 2323

Delta R.T. 0.08 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

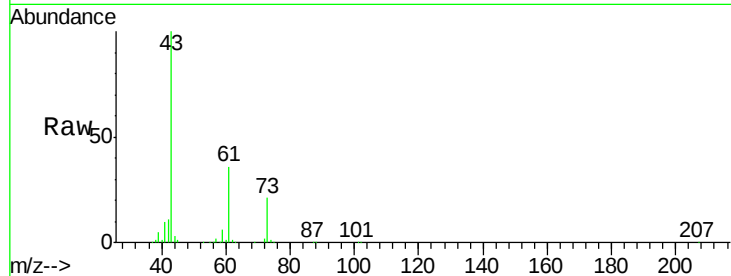
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 763336.1 23.1 34.7#

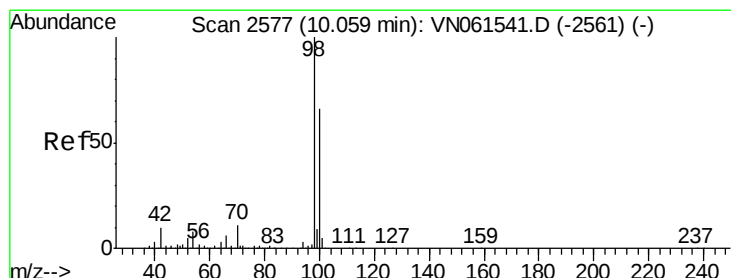
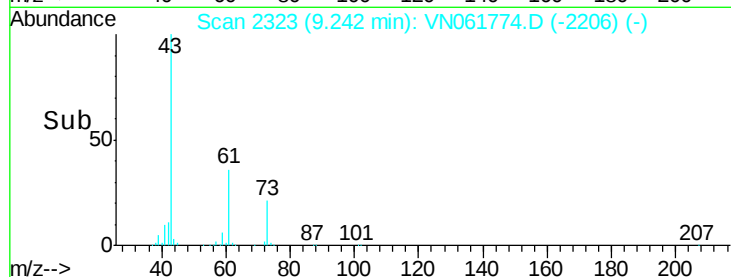
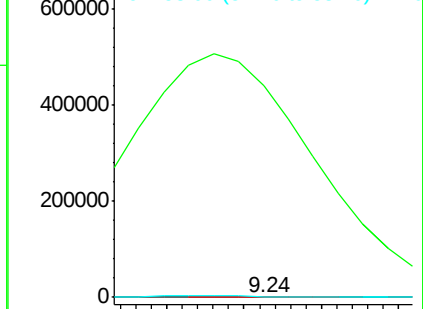
58 4276.2 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.36 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061774.D

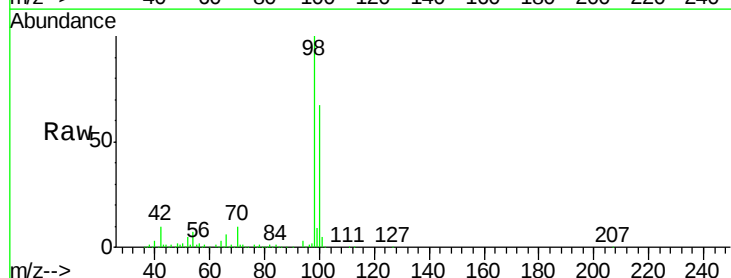
Acq: 12 Jun 2020 7:14

Tgt Ion: 98 Resp: 600634

Ion Ratio Lower Upper

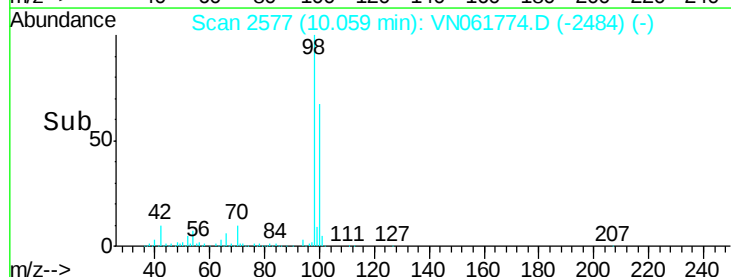
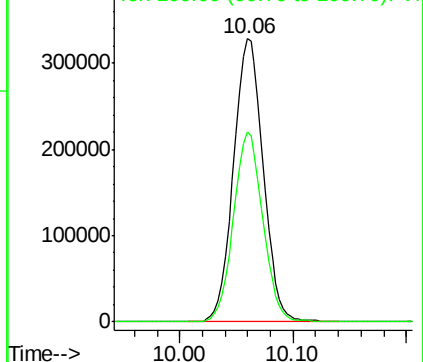
98 100

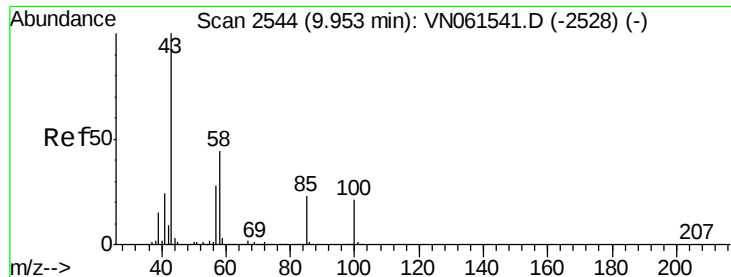
100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

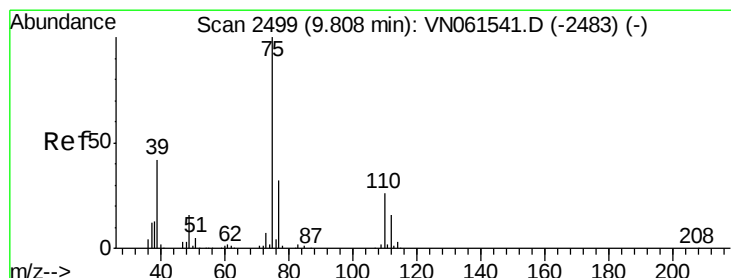
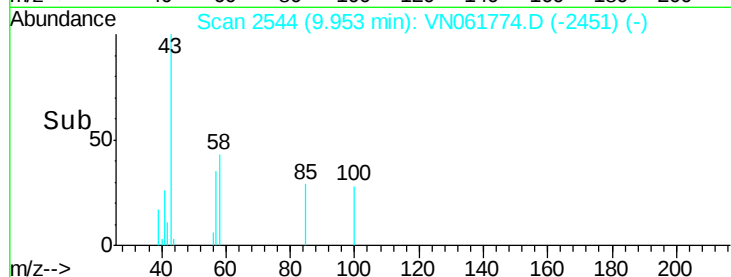
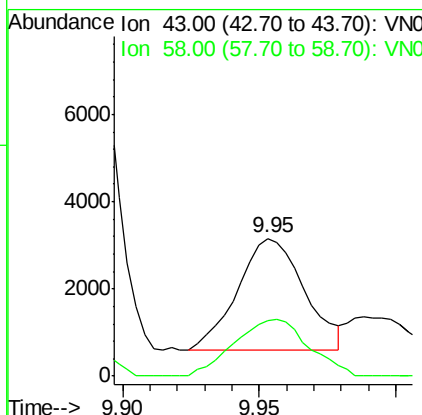
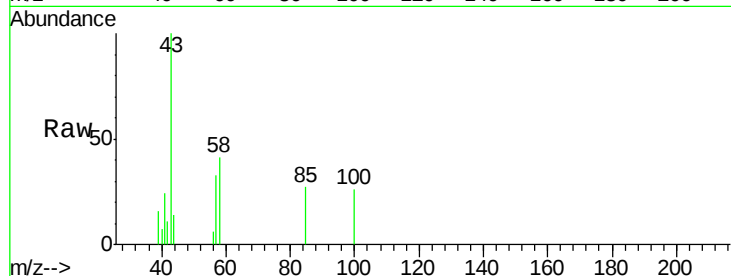




#51
 4-Methyl-2-Pentanone
 Concen: 1.22 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

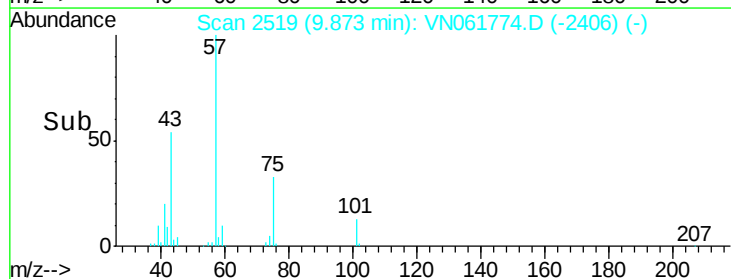
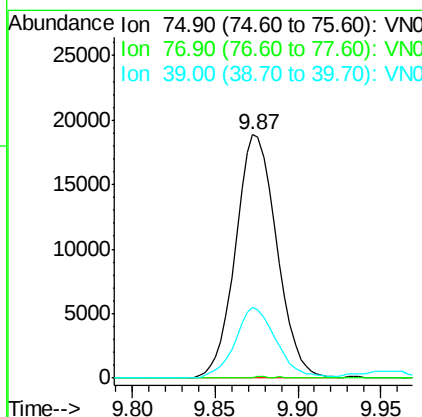
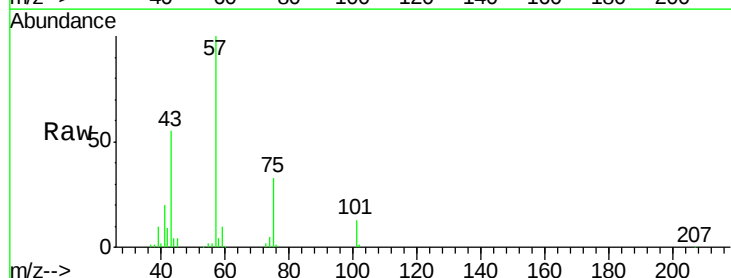
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#04

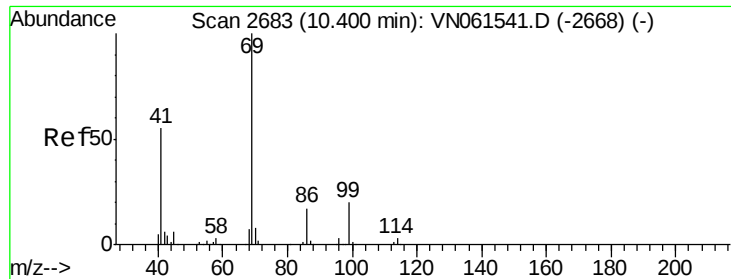
Tgt Ion: 43 Resp: 4300
 Ion Ratio Lower Upper
 43 100
 58 57.2 35.0 52.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.86 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061774.D
 Acq: 12 Jun 2020 7:14

Tgt Ion: 75 Resp: 32631
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 29.0 33.8 50.6#





#56

Ethyl methacrylate

Concen: 0.31 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

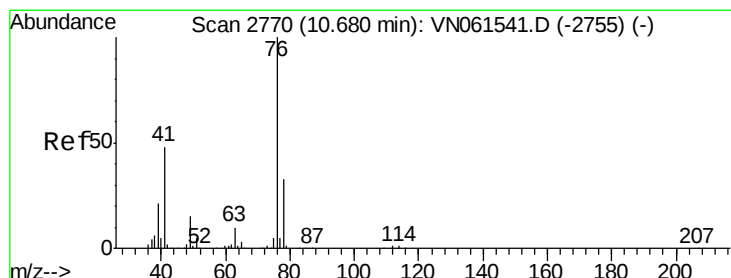
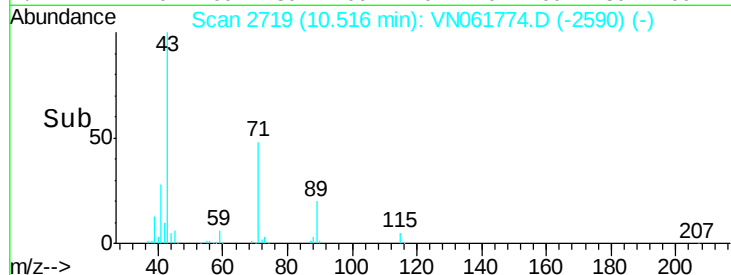
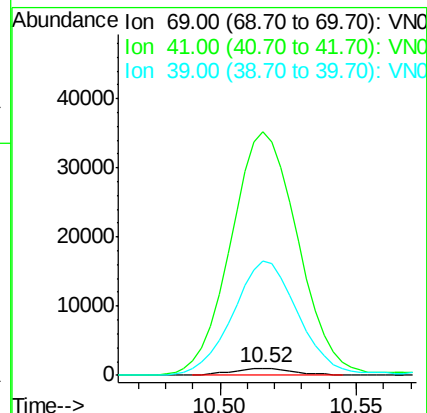
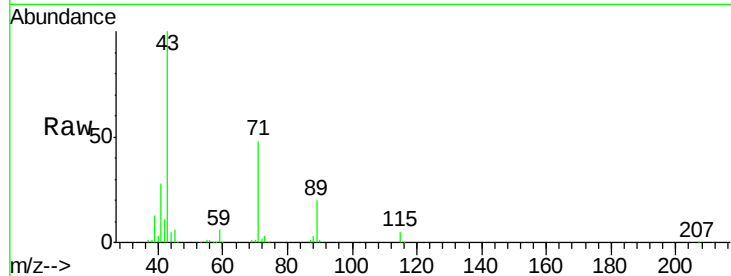
Tgt Ion: 69 Resp: 1500

Ion Ratio Lower Upper

69 100

41 4014.7 43.5 65.3#

39 1841.7 27.0 40.6#



#57

1,3-Dichloropropane

Concen: 0.98 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061774.D

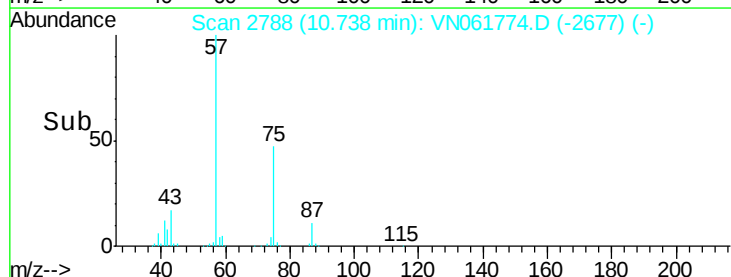
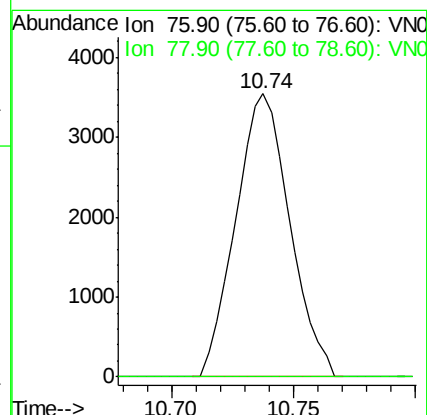
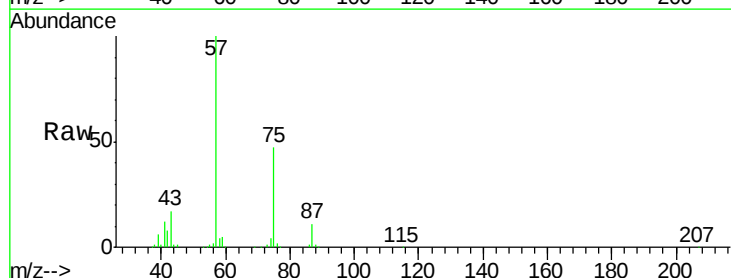
Acq: 12 Jun 2020 7:14

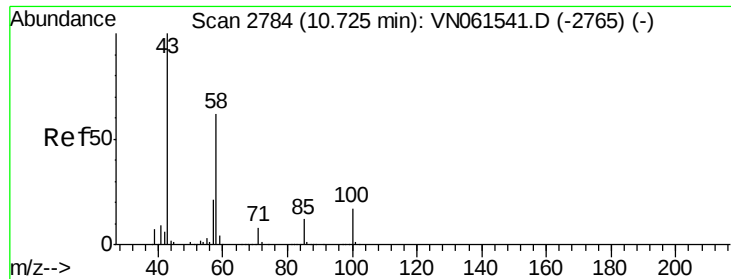
Tgt Ion: 76 Resp: 5450

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

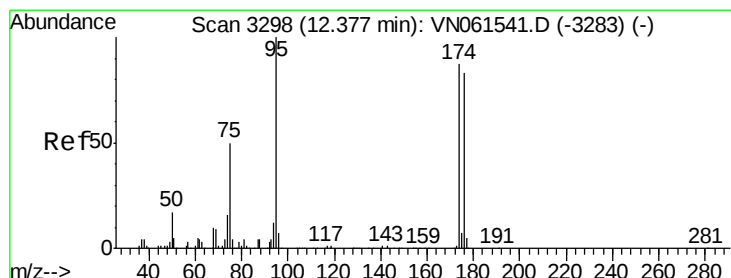
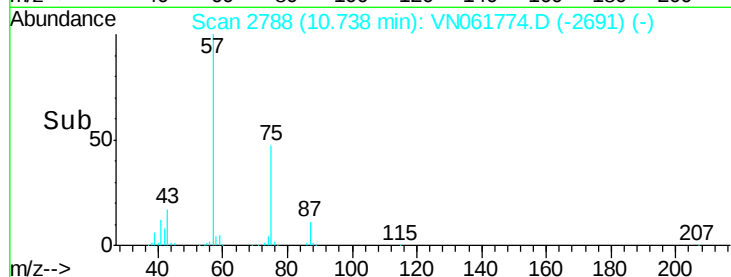
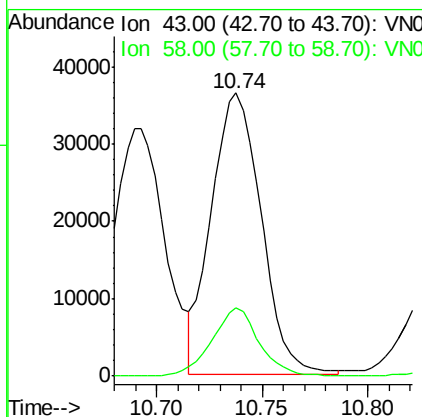
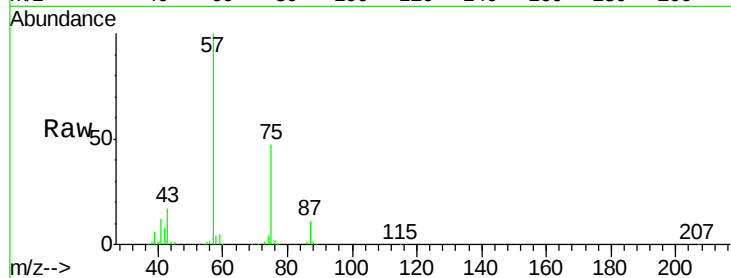




#59
2-Hexanone
Concen: 23.53 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

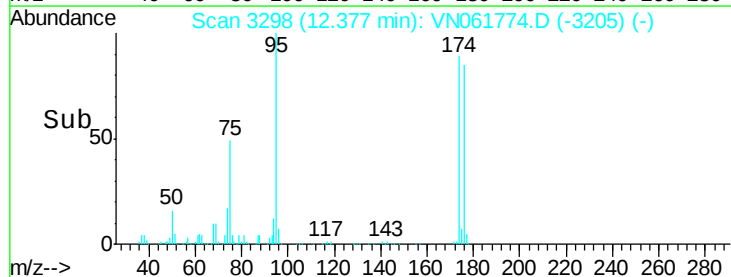
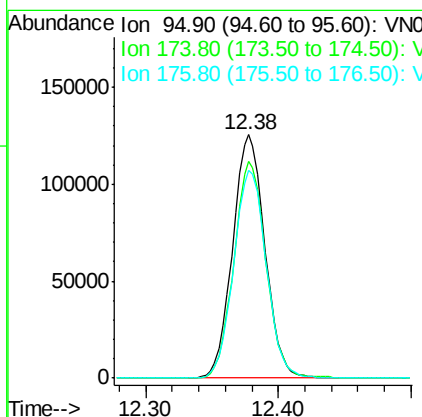
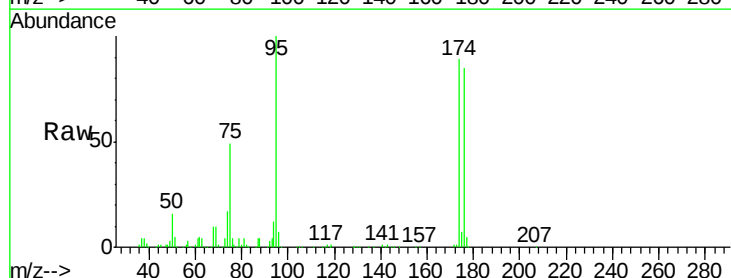
Instrument :
MSVOA_N
ClientSampleId :
PB129452ZHE#04

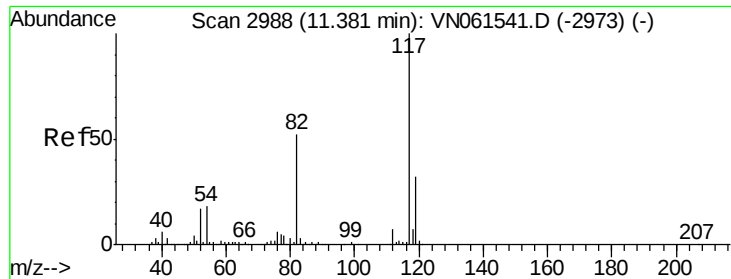
Tgt Ion: 43 Resp: 59607
Ion Ratio Lower Upper
43 100
58 22.9 30.7 92.1#



#62
4-Bromofluorobenzene
Concen: 50.62 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

Tgt Ion: 95 Resp: 211871
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.8
176 86.4 0.0 164.8

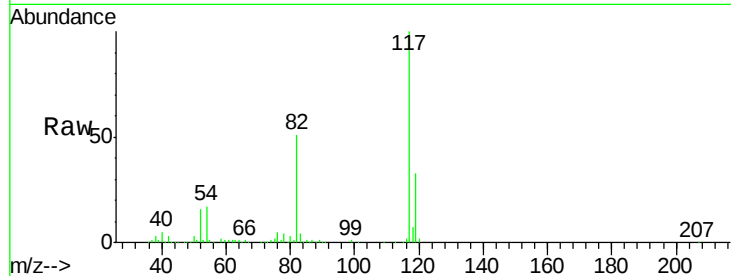




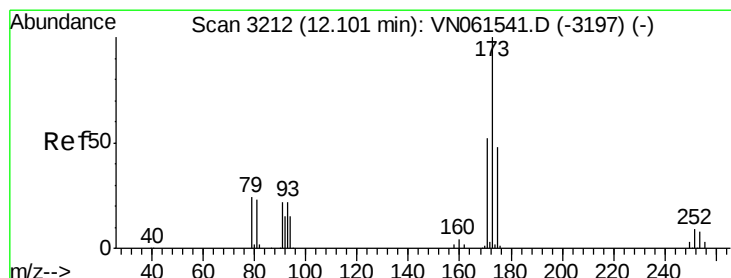
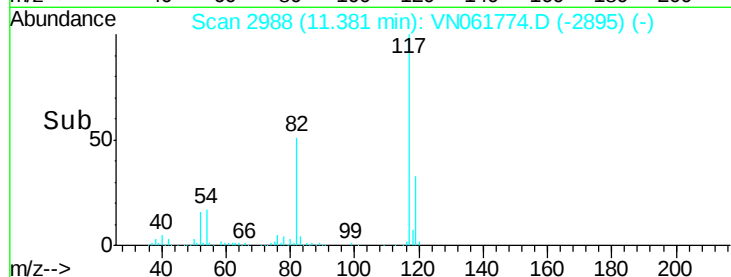
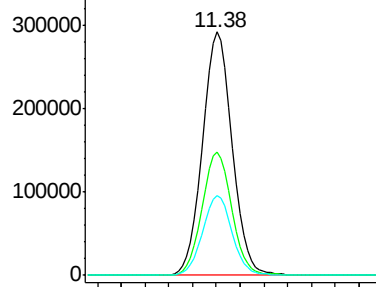
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

Instrument :
MSVOA_N
ClientSampleId :
PB129452ZHE#04

Tgt Ion:117 Resp: 505542
Ion Ratio Lower Upper
117 100
82 50.6 41.5 62.3
119 32.8 25.6 38.4

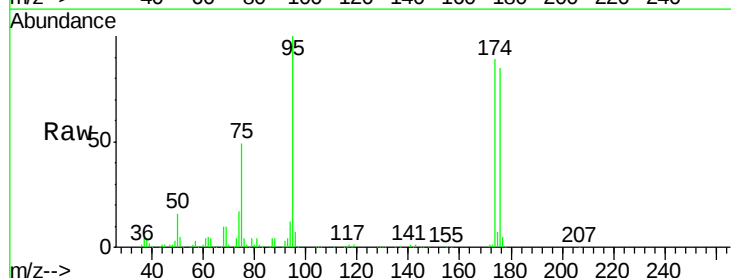


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

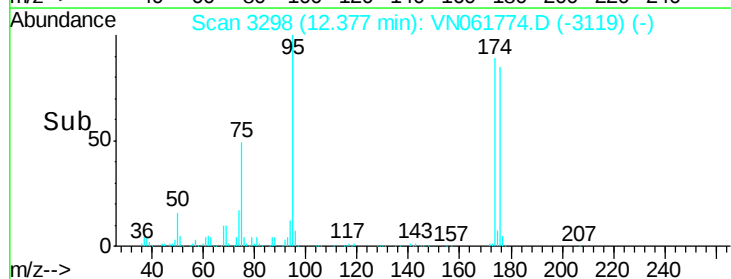
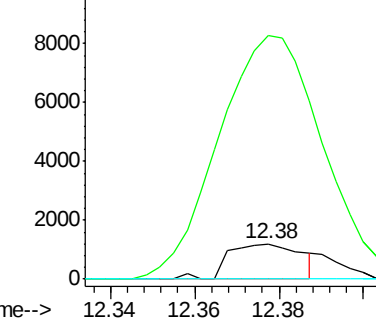


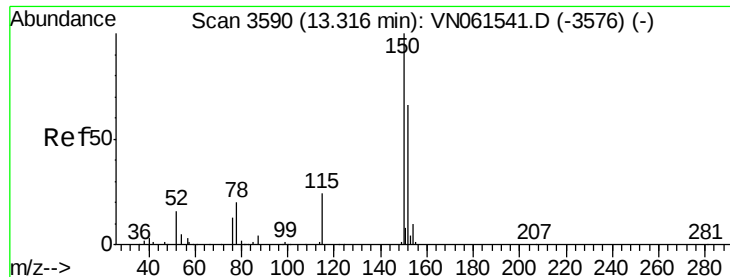
#71
Bromoform
Concen: 0.47 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061774.D
Acq: 12 Jun 2020 7:14

Tgt Ion:173 Resp: 1423
Ion Ratio Lower Upper
173 100
175 824.1 24.4 73.2#
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: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

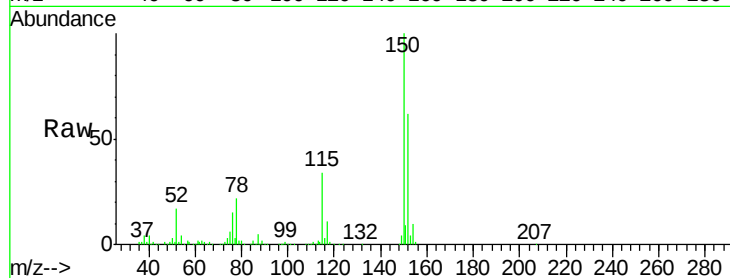
Tgt Ion:152 Resp: 222863

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

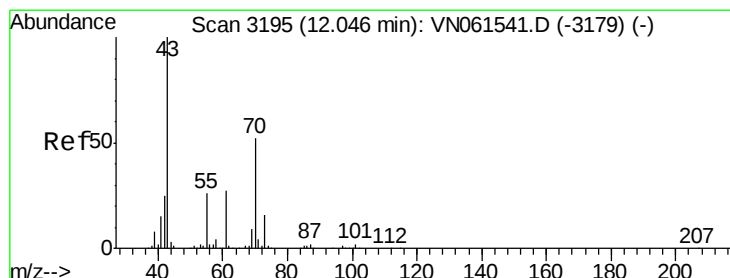
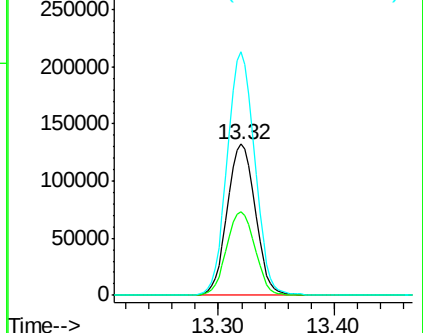
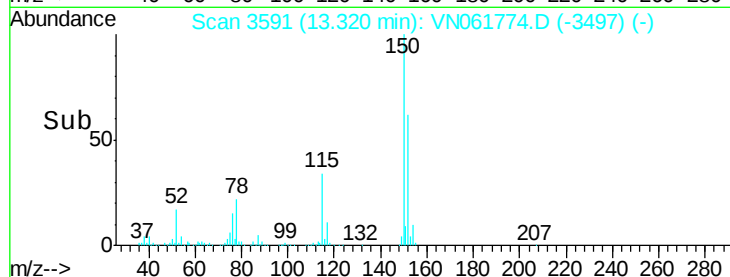
150 157.5 0.0 344.0



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: 0.37 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Tgt Ion: 43 Resp: 1885

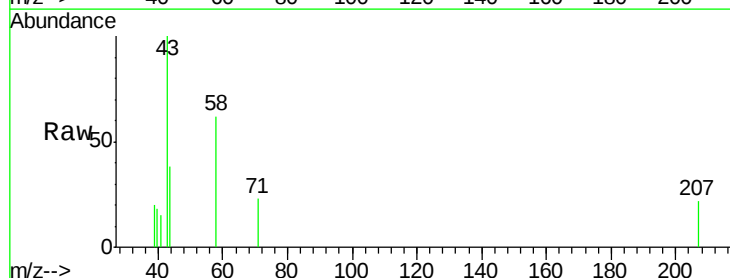
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

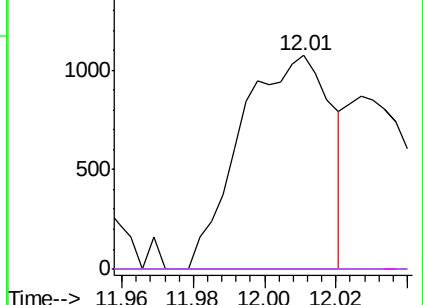
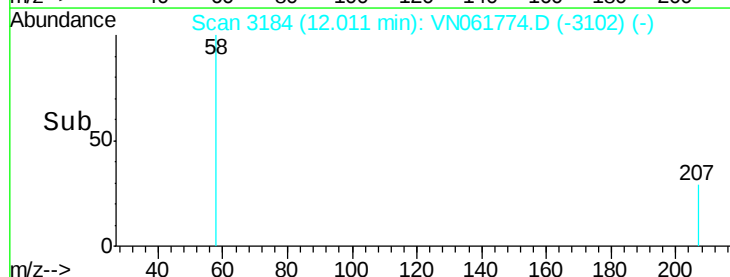


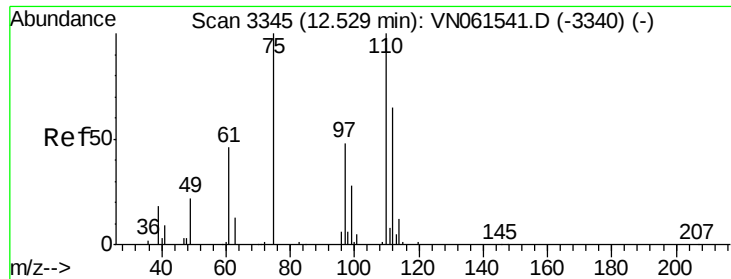
Abundance Ion 43.00 (42.70 to 43.70): V

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: 25.44 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

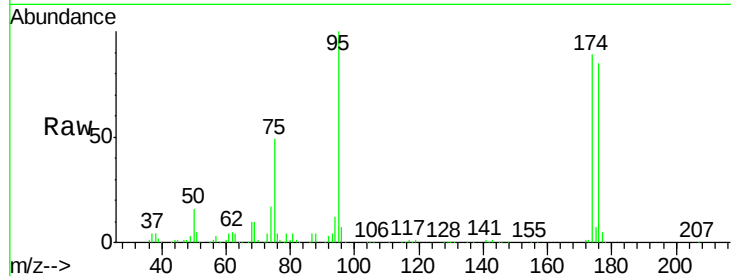
PB129452ZHE#04

Tgt Ion: 75 Resp: 103086

Ion Ratio Lower Upper

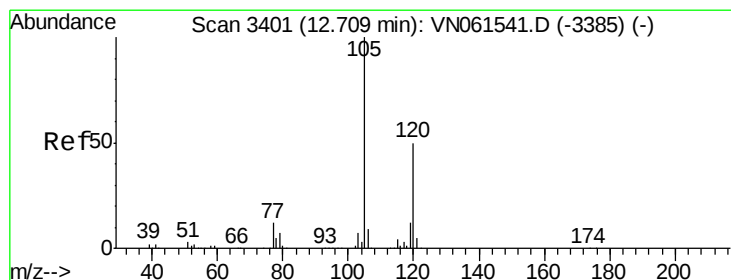
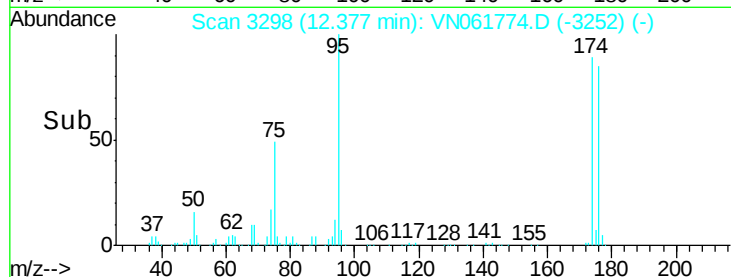
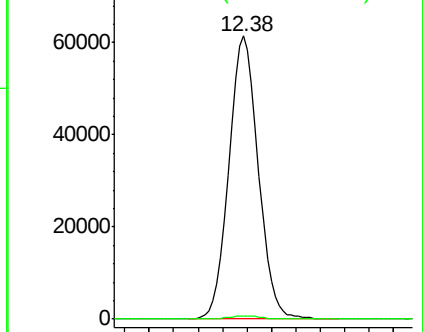
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.54 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061774.D

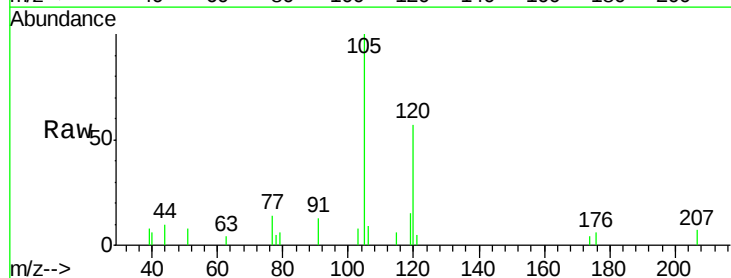
Acq: 12 Jun 2020 7:14

Tgt Ion: 105 Resp: 7352

Ion Ratio Lower Upper

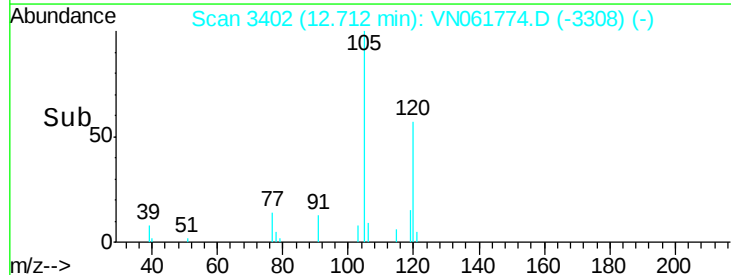
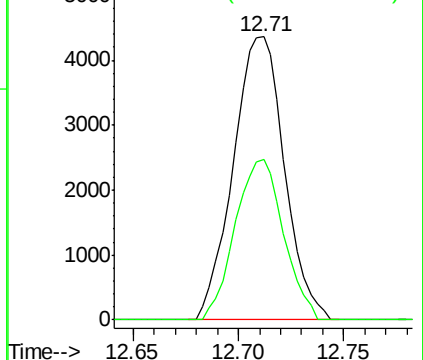
105 100

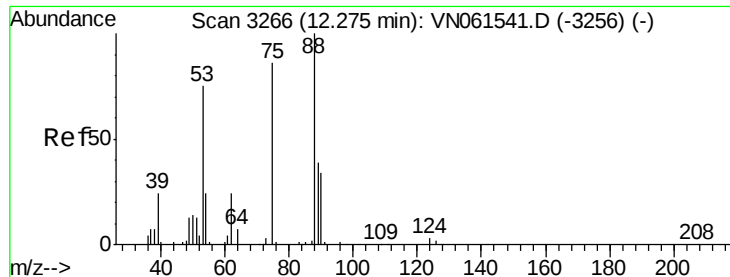
120 53.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.05 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061774.D

Acq: 12 Jun 2020 7:14

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#04

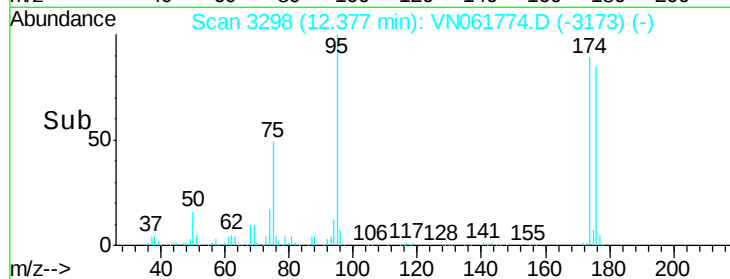
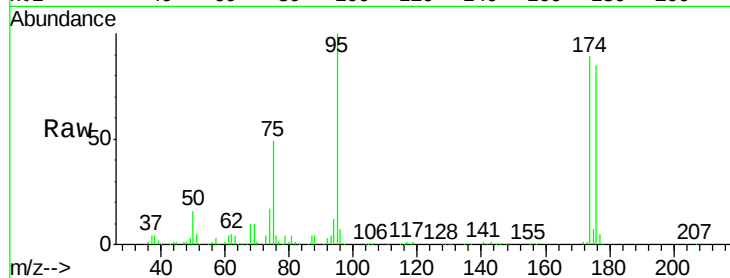
Tgt Ion: 75 Resp: 103086

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

