

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061034.D
 Acq On : 16 Apr 2020 23:52
 Operator : JC/MD
 Sample : PB128268TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128268TB

Quant Time: Apr 17 04:03:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	156737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	266605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	253980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115548	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	105577	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	7.56	113	78673	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.08	98	333231	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	
62) 4-Bromofluorobenzene	12.39	95	125979	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	

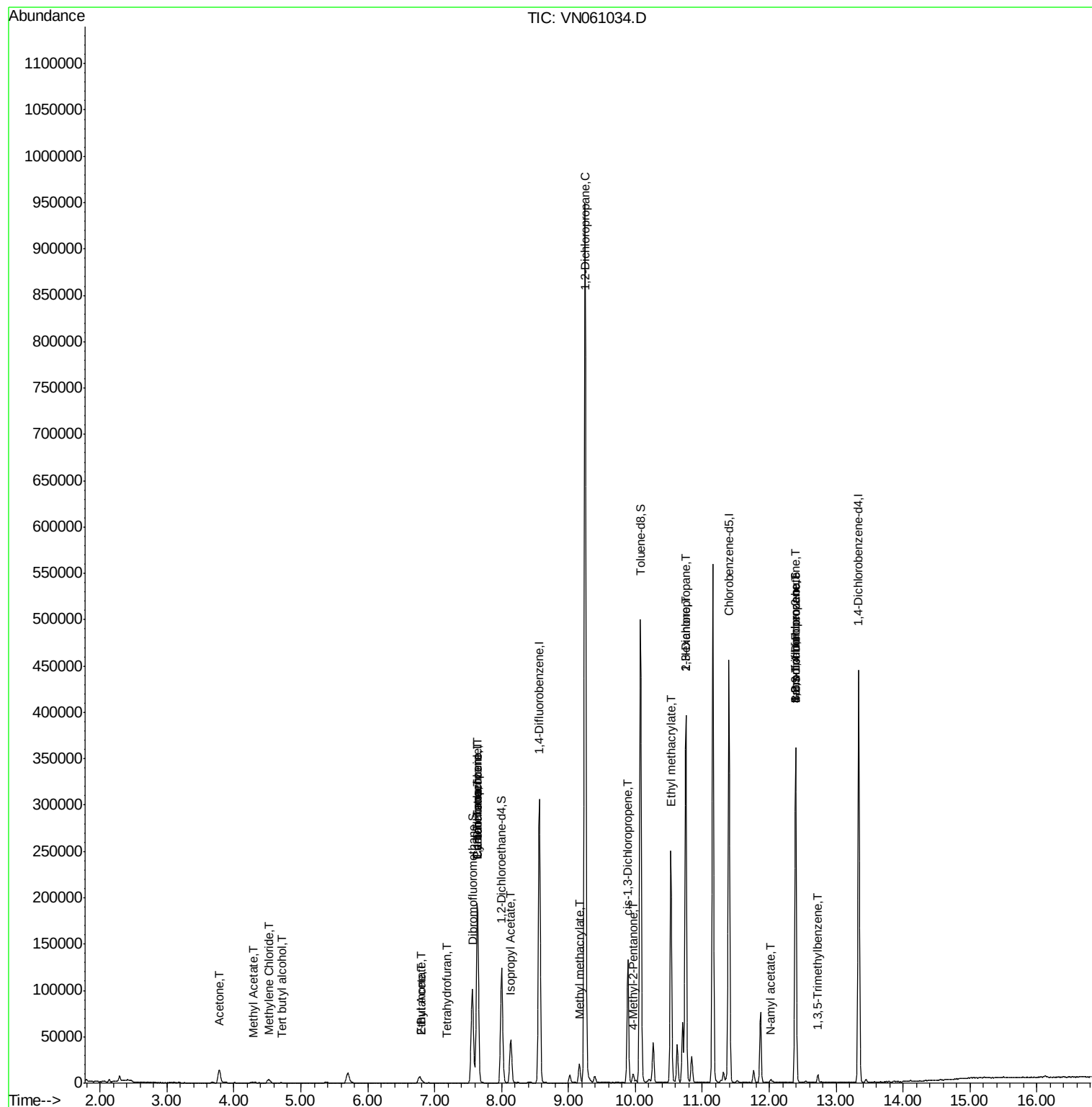
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	565	1.588	ug/l #	73
16) Acetone	3.78	43	25001	28.325	ug/l	98
18) Methyl Acetate	4.29	43	1989	0.719	ug/l #	54
20) Methylene Chloride	4.51	84	2939	1.525	ug/l	92
25) 2-Butanone	6.81	43	4032	2.981	ug/l #	83
29) Tetrahydrofuran	7.18	42	227	0.247	ug/l #	36
31) Cyclohexane	7.64	56	3650	0.977	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12685	4.611	ug/l #	49
37) Ethyl Acetate	6.81	43	4032	1.350	ug/l #	69
38) Carbon Tetrachloride	7.64	117	14984	6.543	ug/l #	15
43) Isopropyl Acetate	8.14	43	57177	11.769	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	965	0.438	ug/l #	43
48) Methyl methacrylate	9.16	41	2998	1.396	ug/l #	14
51) 4-Methyl-2-Pentanone	9.97	43	7317	2.613	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	23725	6.972	ug/l #	59
56) Ethyl methacrylate	10.53	69	587	0.201	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4004	1.211	ug/l #	43
59) 2-Hexanone	10.75	43	60061	29.736	ug/l #	52
71) Bromoform	12.39	173	319	0.228	ug/l #	1
74) N-amyl acetate	12.02	43	3149	0.732	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	64800	25.496	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4946	0.646	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.39	75	64800	62.888	ug/l #	12

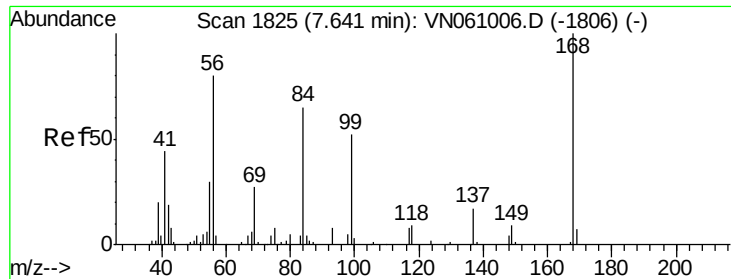
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

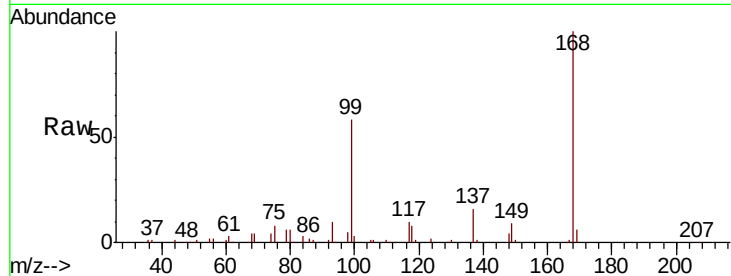
PB128268TB

Tot Ion:168 Resp: 156737

Ion Ratio Lower Upper

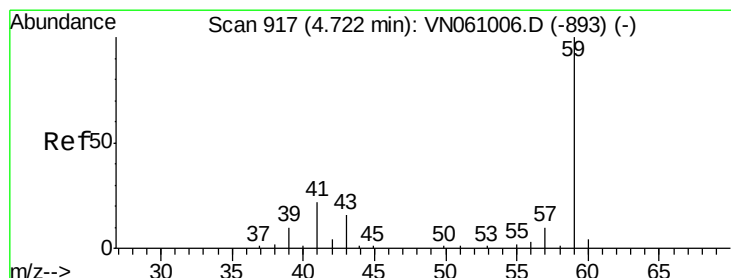
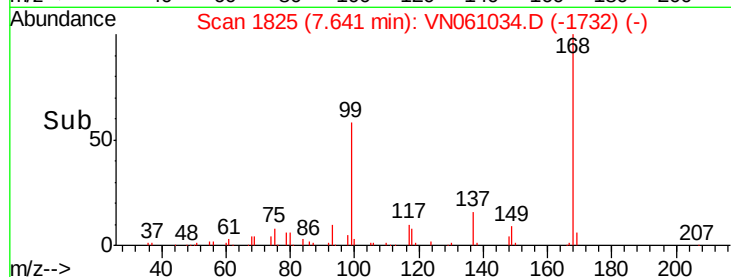
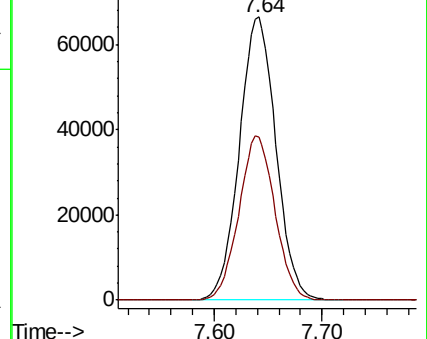
168 100

99 57.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.588 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.00 min

Lab File: VN061034.D

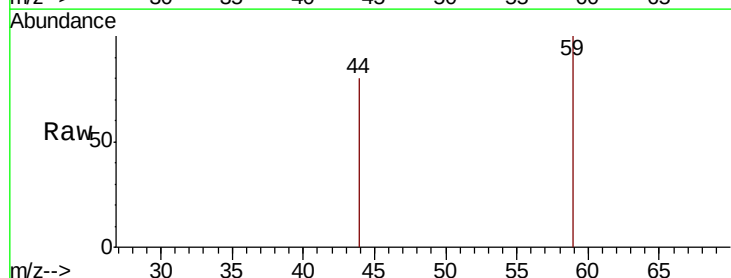
Acq: 16 Apr 2020 23:52

Tgt Ion: 59 Resp: 565

Ion Ratio Lower Upper

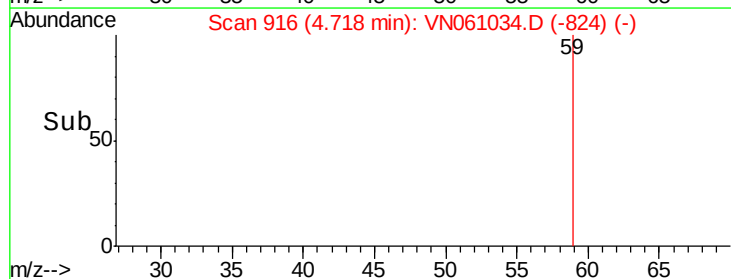
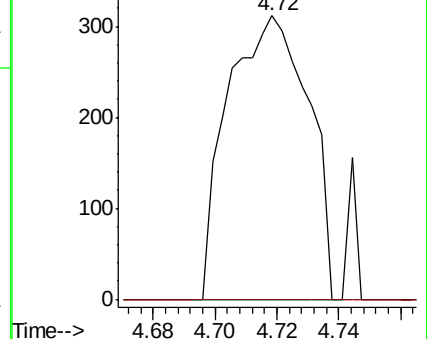
59 100

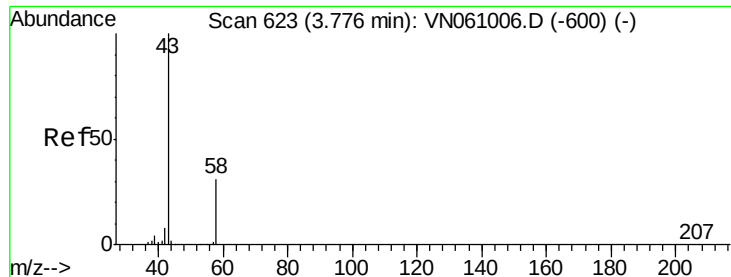
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 28.325 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

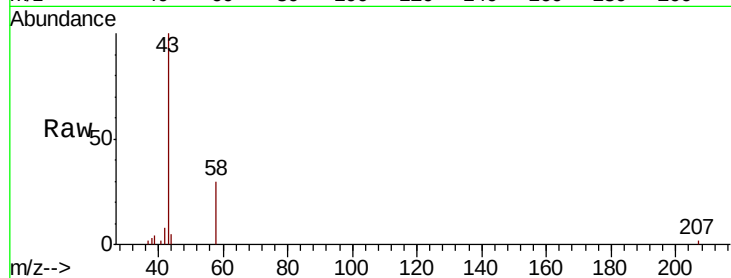
PB128268TB

Tot Ion: 43 Resp: 25001

Ion Ratio Lower Upper

43 100

58 29.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-600) (-)

3.78

10000

8000

6000

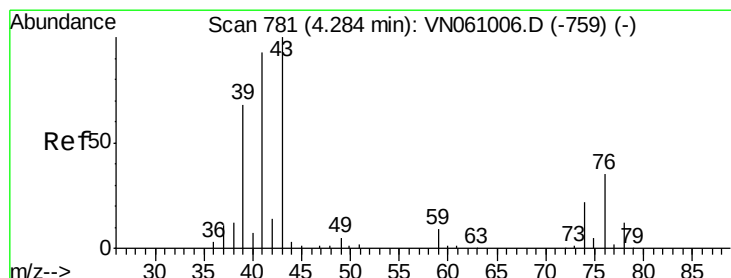
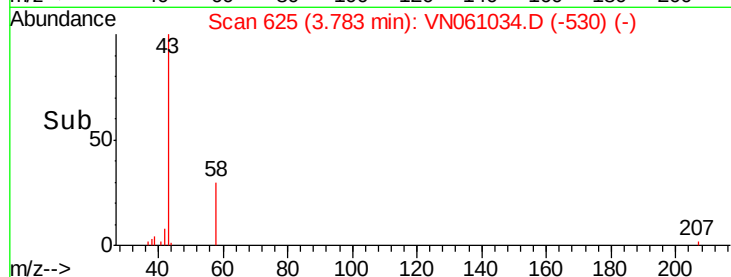
4000

2000

0

3.70 3.80 3.90

Time-->



#18

Methyl Acetate

Concen: 0.719 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN061034.D

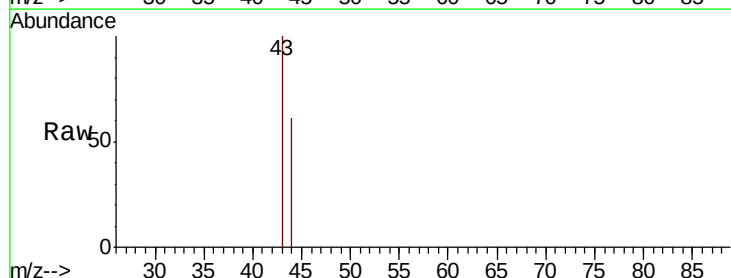
Acq: 16 Apr 2020 23:52

Tgt Ion: 43 Resp: 1989

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN061006.D (-759) (-)

4.29

600

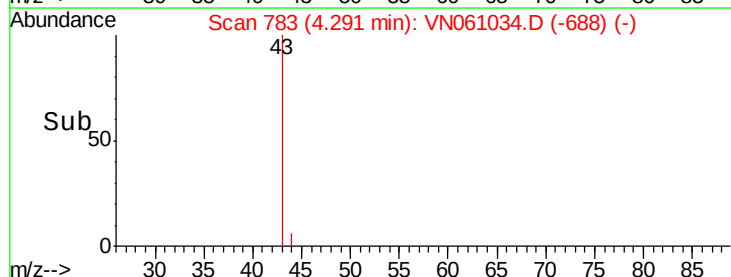
400

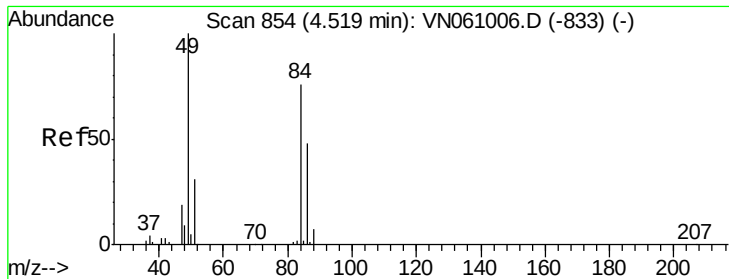
200

0

4.25 4.30 4.35

Time-->

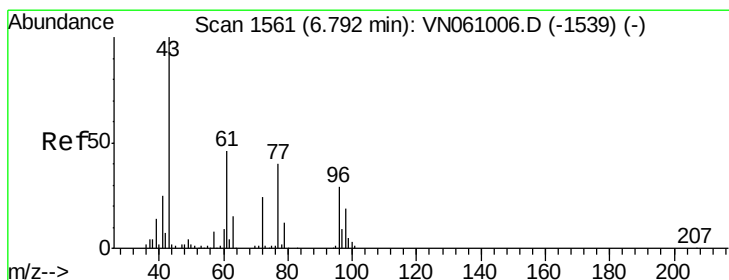
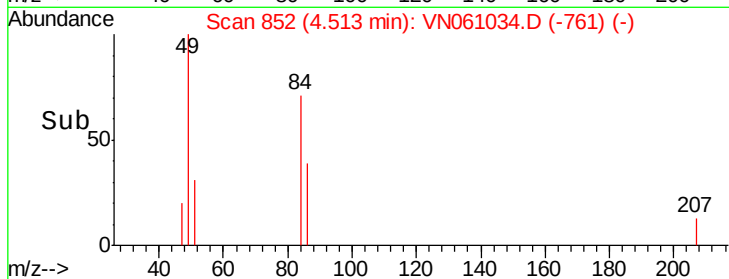
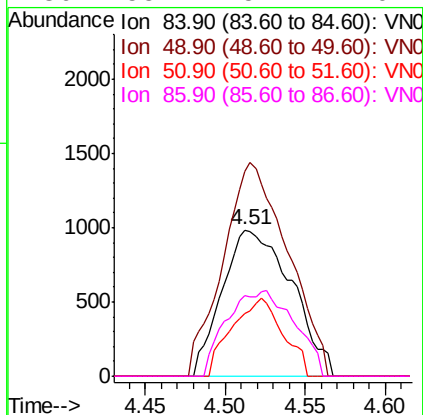
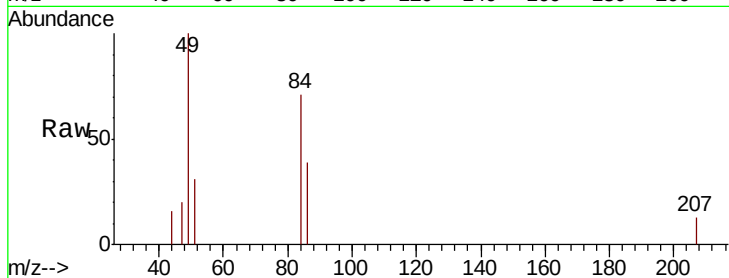




#20
Methvlene Chloride
Concen: 1.525 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

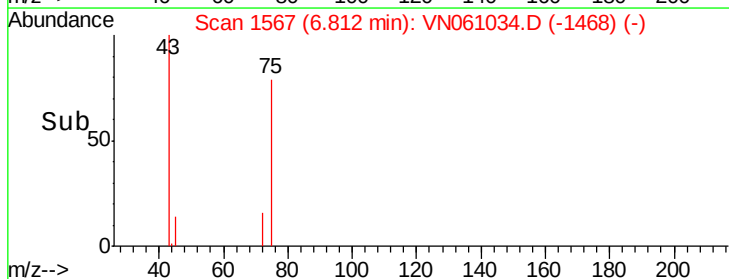
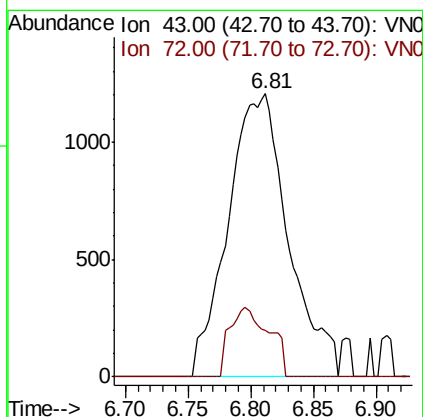
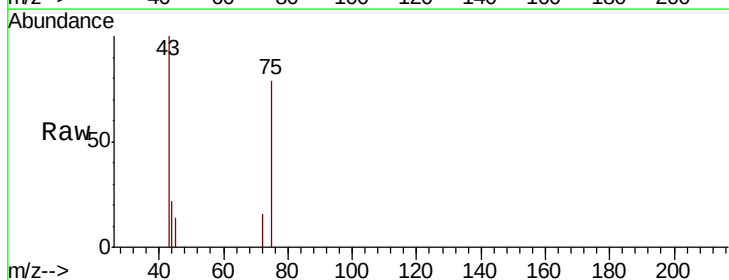
Instrument :
MSVOA_N
ClientSampleId :
PB128268TB

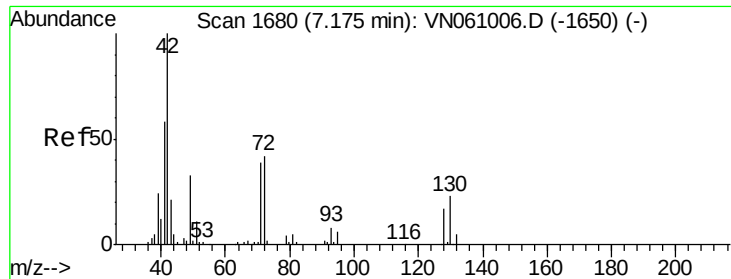
Tot Ion:	84	Resp:	2939
Ion	Ratio	Lower	Upper
84	100		
49	140.4	105.8	158.6
51	43.0	32.4	48.6
86	55.1	51.1	76.7



#25
2-Butanone
Concen: 2.981 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion:	43	Resp:	4032
Ion	Ratio	Lower	Upper
43	100		
72	16.3	19.6	29.4#





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB128268TB

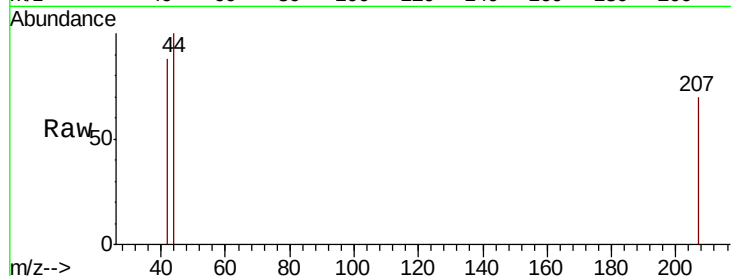
Tot Ion: 42 Resp: 227

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

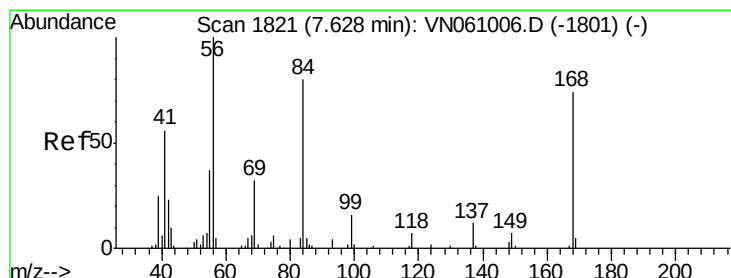
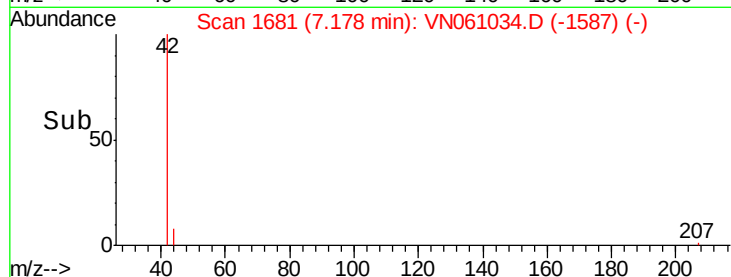
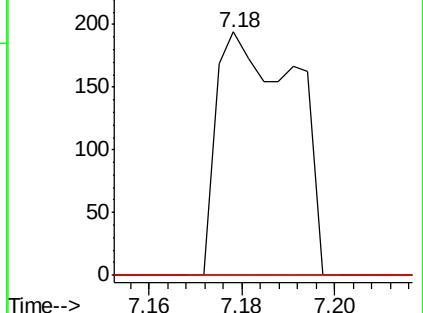
71 0.0 30.5 45.7#



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



#31

Cyclohexane

Concen: 0.977 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

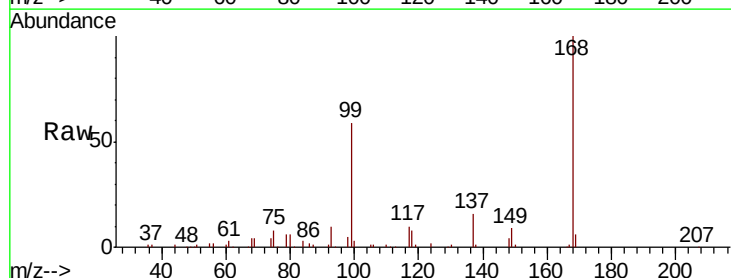
Tgt Ion: 56 Resp: 3650

Ion Ratio Lower Upper

56 100

69 167.0 25.6 38.4#

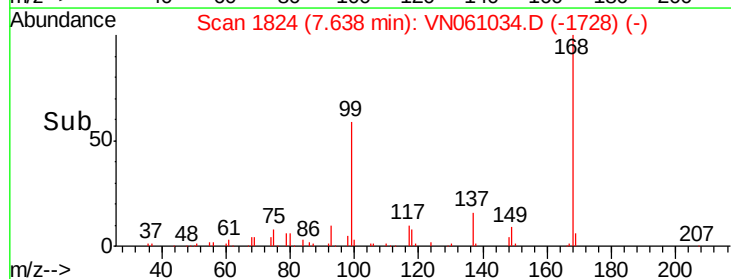
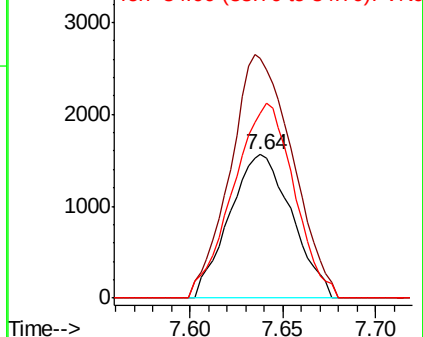
84 129.3 63.4 95.2#

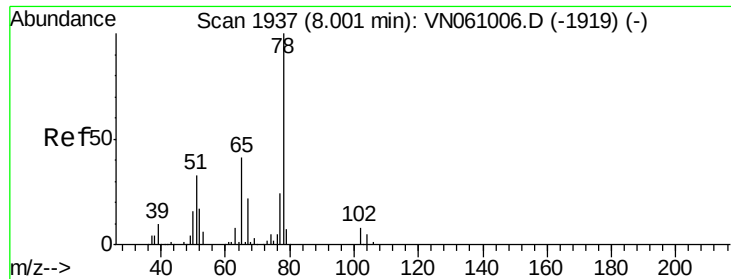


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

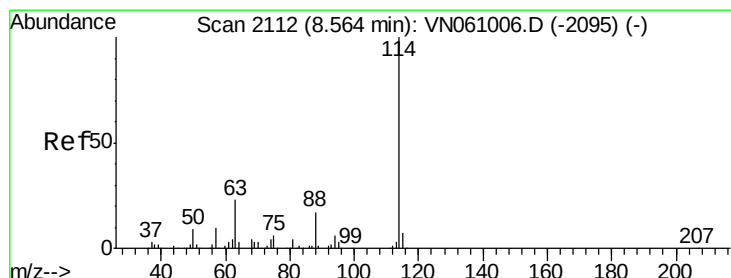
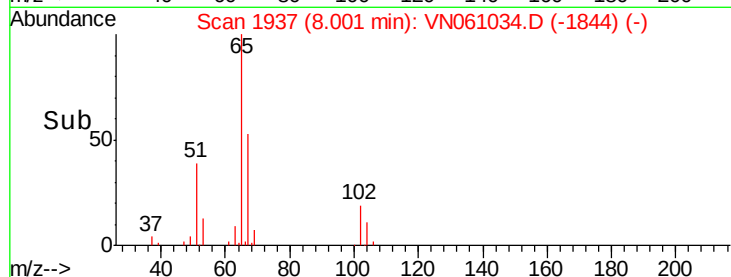
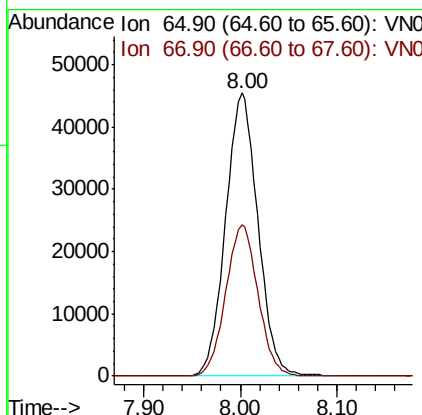
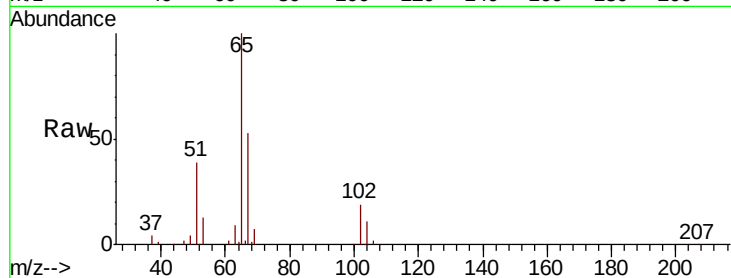




#33
 1,2-Dichloroethane-d4
 Concen: 52.648 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

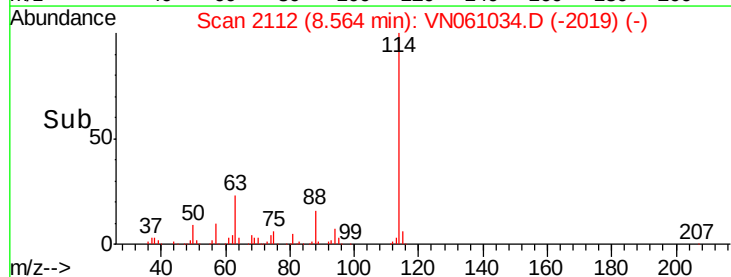
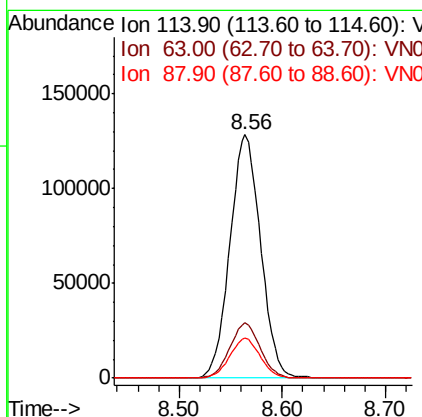
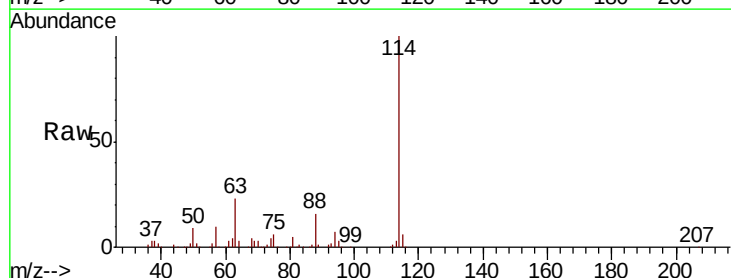
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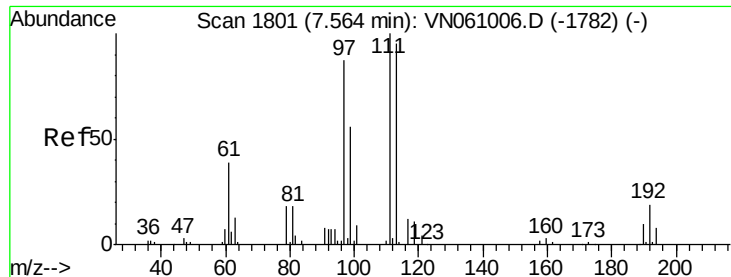
Tot Ion: 65 Resp: 105577
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

Tgt Ion: 114 Resp: 266605
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.2
 88 16.3 0.0 33.4

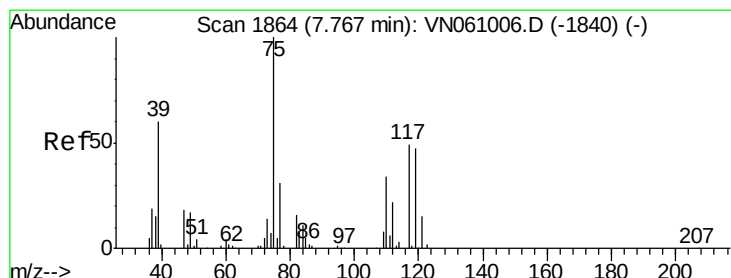
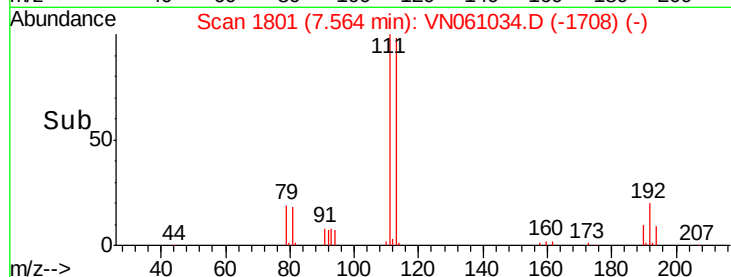
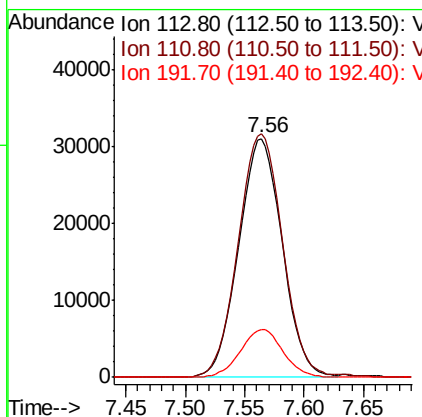
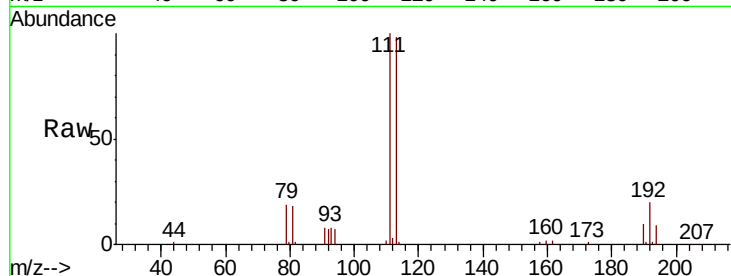




#35
 Dibromofluoromethane
 Concen: 50.531 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

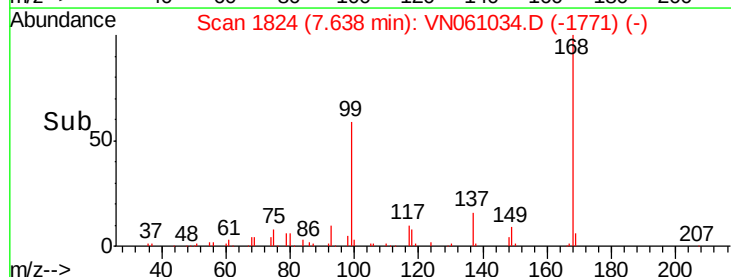
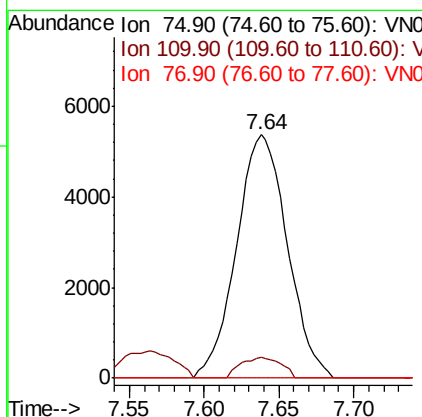
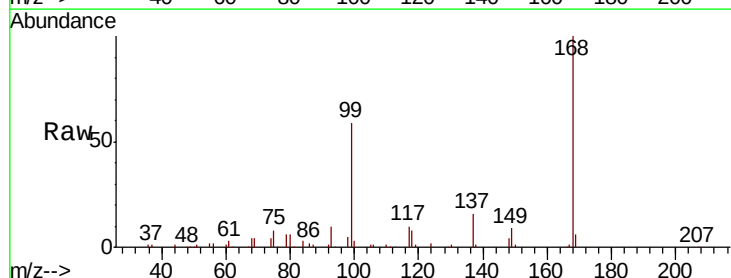
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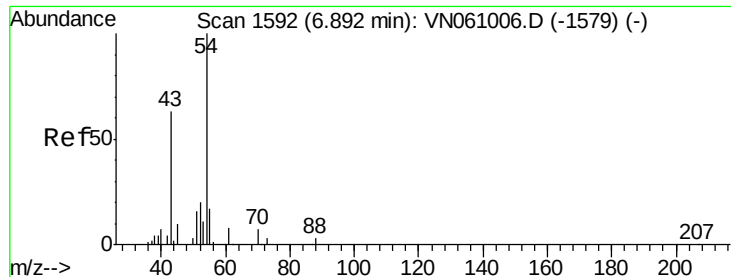
Tot Ion:113 Resp: 78673
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.4 125.2
 192 19.7 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

Tgt Ion: 75 Resp: 12685
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.8 50.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.350 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB128268TB

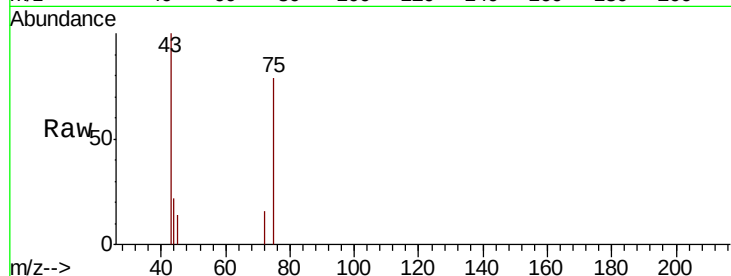
Tot Ion: 43 Resp: 4032

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

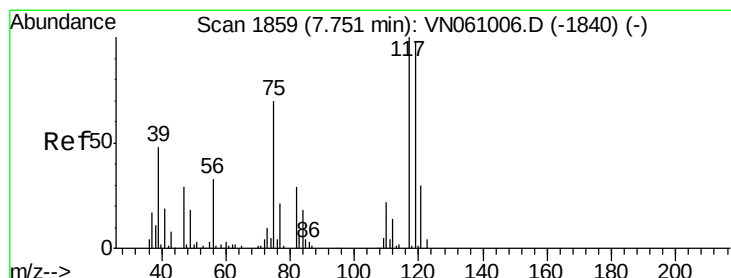
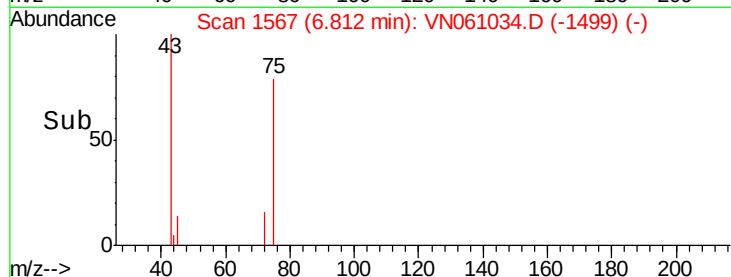
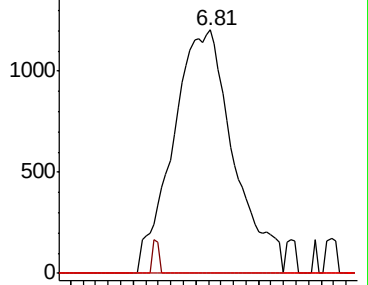
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1579) (-)

Ion 60.90 (60.60 to 61.60): VN061006.D (-1579) (-)

Ion 70.00 (69.70 to 70.70): VN061006.D (-1579) (-)



#38

Carbon Tetrachloride

Concen: 6.543 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

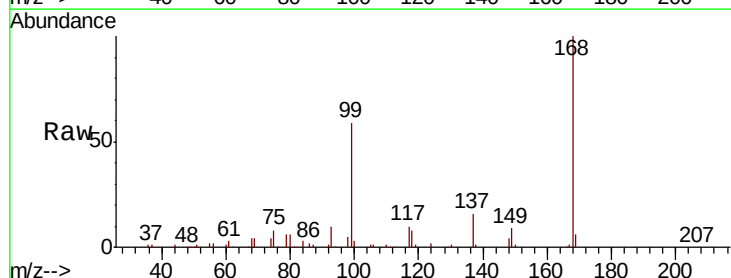
Tgt Ion: 117 Resp: 14984

Ion Ratio Lower Upper

117 100

119 5.4 78.1 117.1#

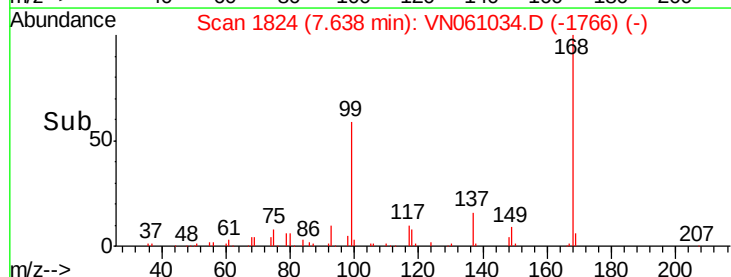
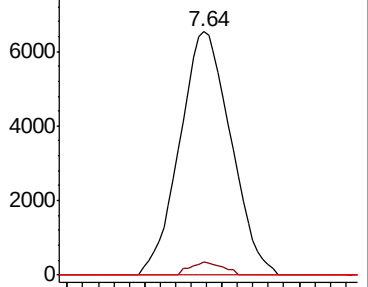
121 0.0 24.0 36.0#

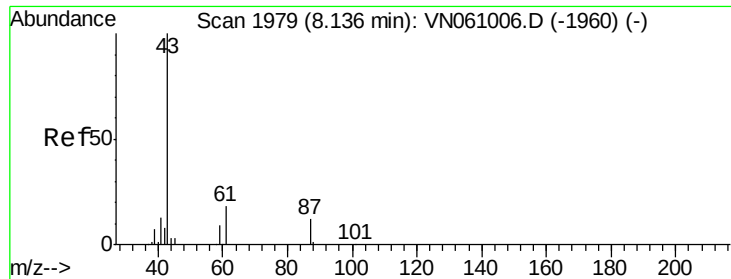


Abundance Ion 116.80 (116.50 to 117.50): VN061006.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN061006.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN061006.D (-1840) (-)





#43

Isopropyl Acetate

Concen: 11.769 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampled :

PB128268TB

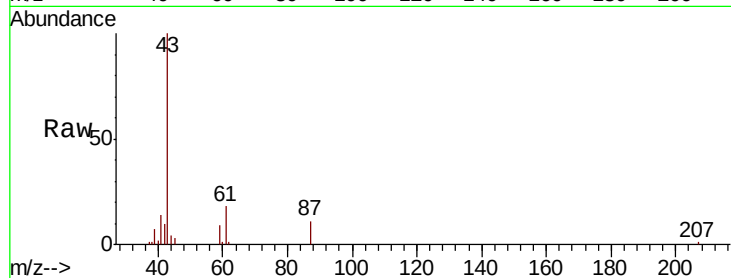
Tot Ion: 43 Resp: 57177

Ion Ratio Lower Upper

43 100

61 18.7 20.3 30.5#

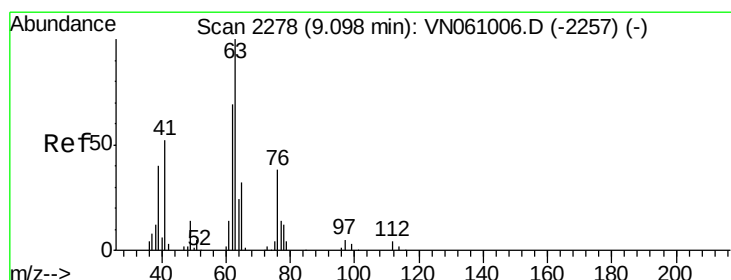
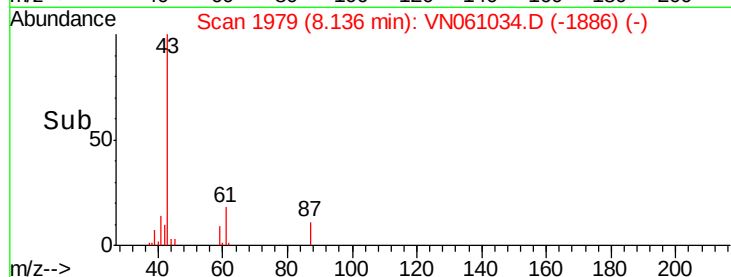
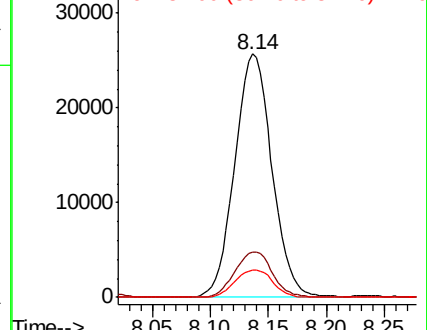
87 11.4 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.438 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.15 min

Lab File: VN061034.D

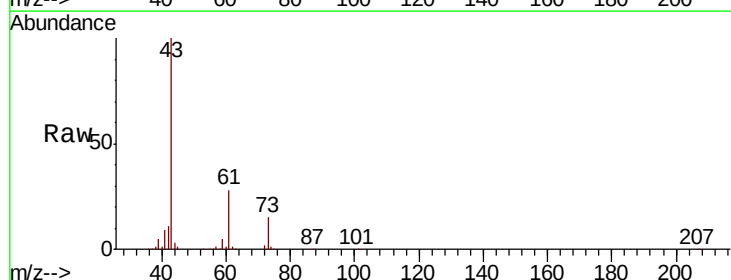
Acq: 16 Apr 2020 23:52

Tgt Ion: 63 Resp: 965

Ion Ratio Lower Upper

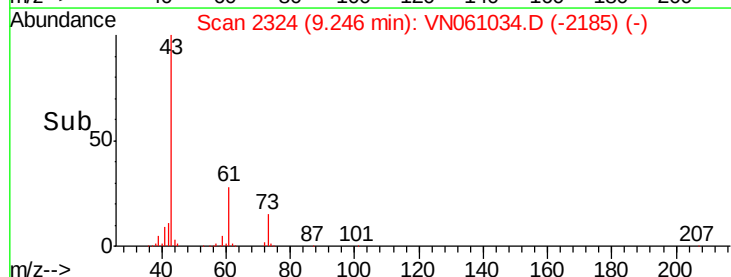
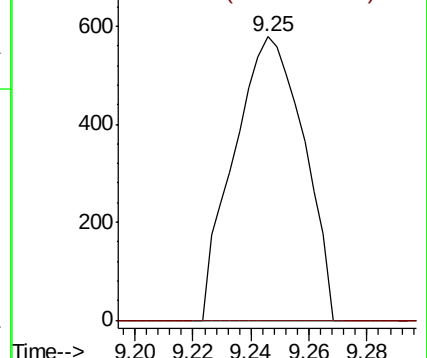
63 100

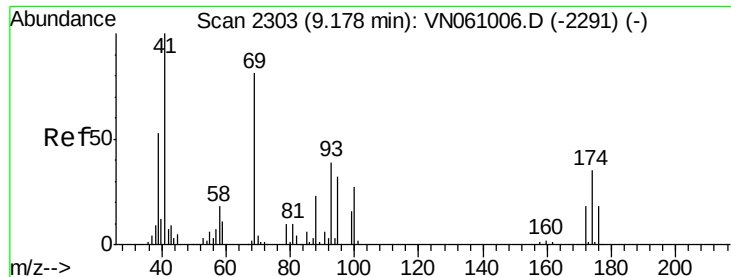
65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

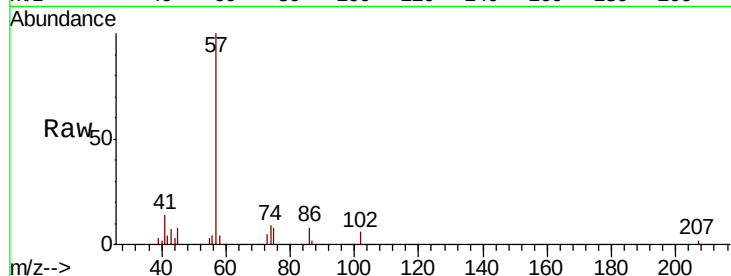




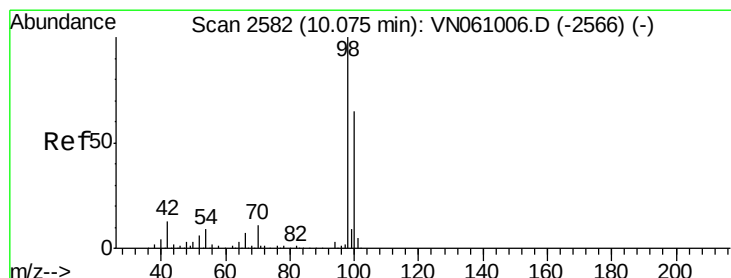
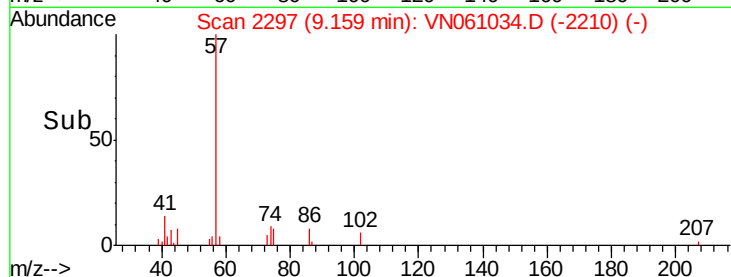
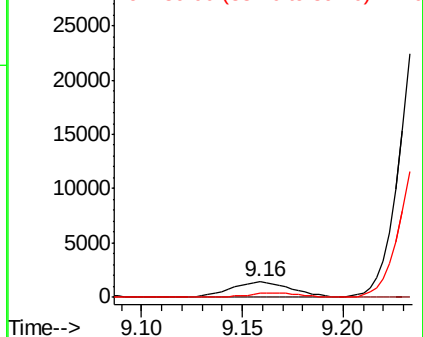
#48
Methvl methacrylate
Concen: 1.396 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Instrument :
MSVOA_N
ClientSampled :
PB128268TB

Tot Ion: 41 Resp: 2998
Ion Ratio Lower Upper
41 100
69 0.0 65.3 97.9#
39 0.0 45.2 67.8#

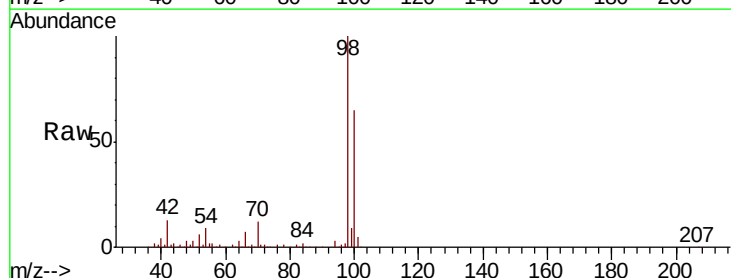


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

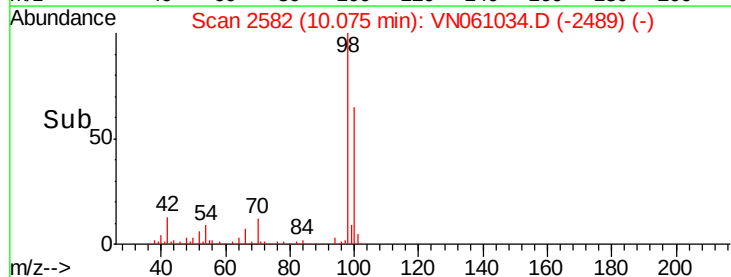
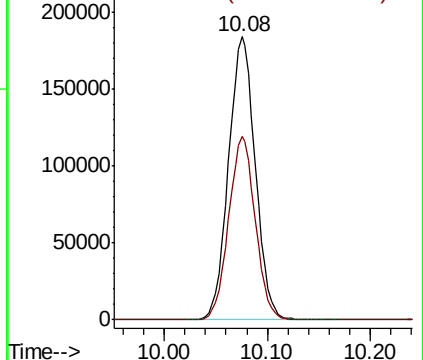


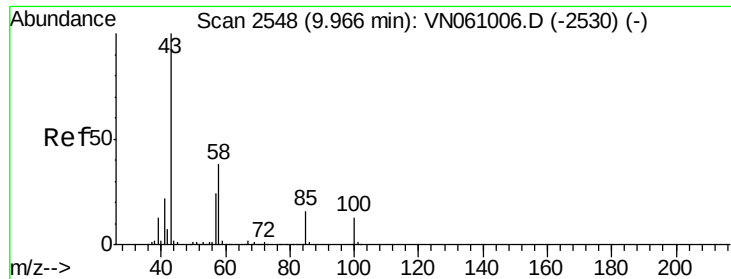
#50
Toluene-d8
Concen: 56.640 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion: 98 Resp: 333231
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

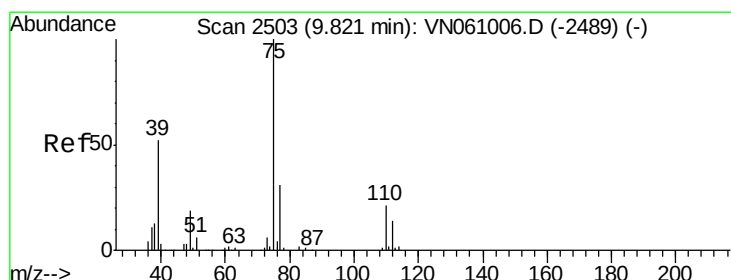
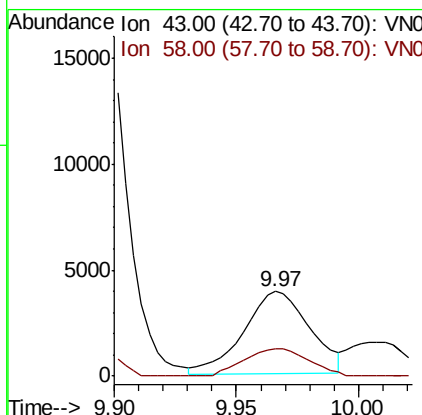
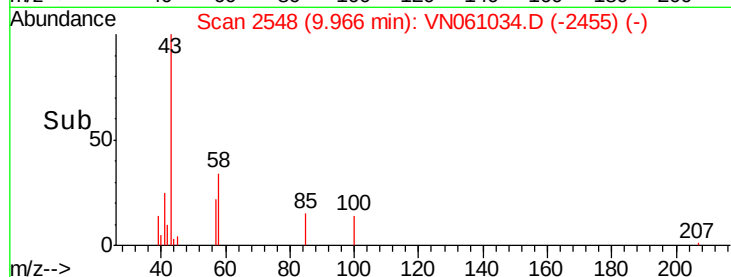
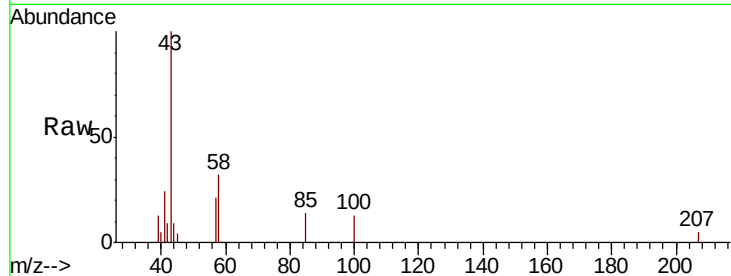




#51
 4-Methyl-2-Pentanone
 Concen: 2.613 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

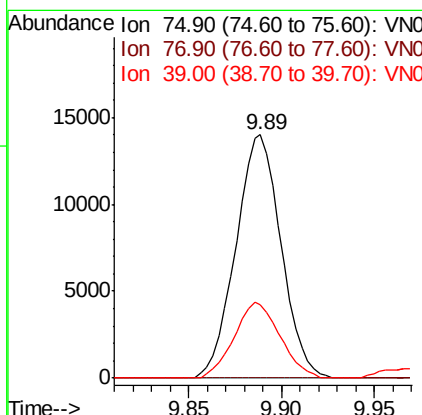
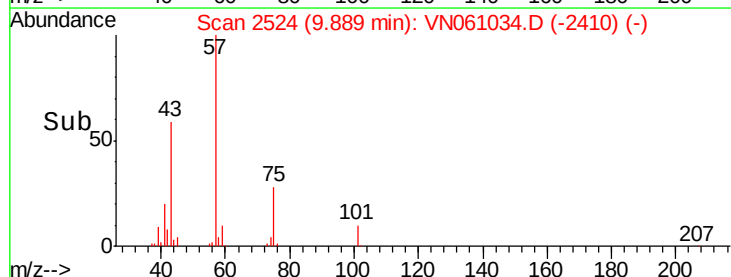
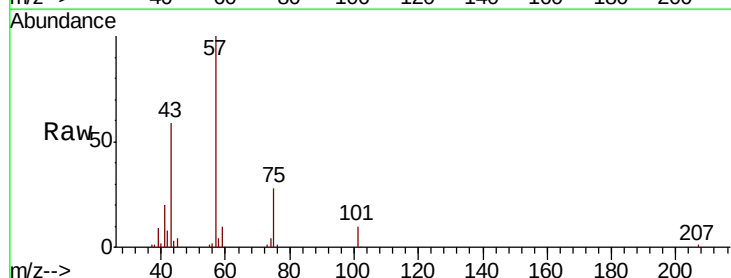
Instrument :
 MSVOA_N
 ClientSampled :
 PB128268TB

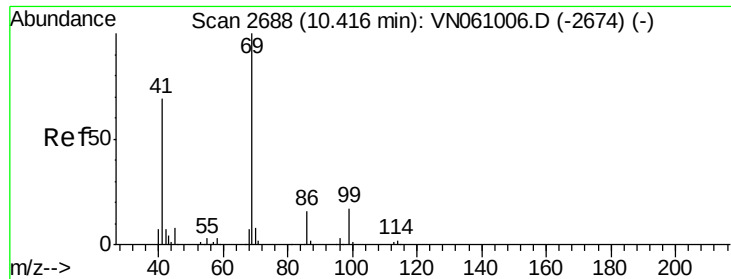
Tot Ion: 43 Resp: 7317
 Ion Ratio Lower Upper
 43 100
 58 32.4 30.3 45.5



#54
 cis-1,3-Dichloropropene
 Concen: 6.972 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.07 min
 Lab File: VN061034.D
 Acq: 16 Apr 2020 23:52

Tgt Ion: 75 Resp: 23725
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 30.2 41.4 62.2#

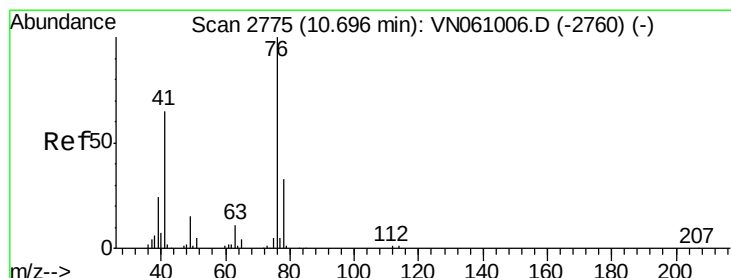
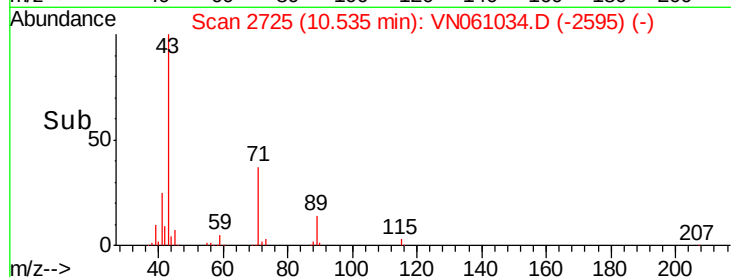
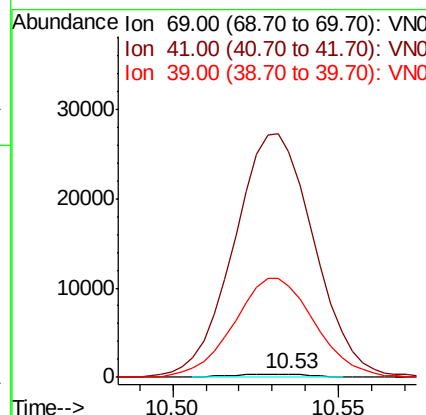
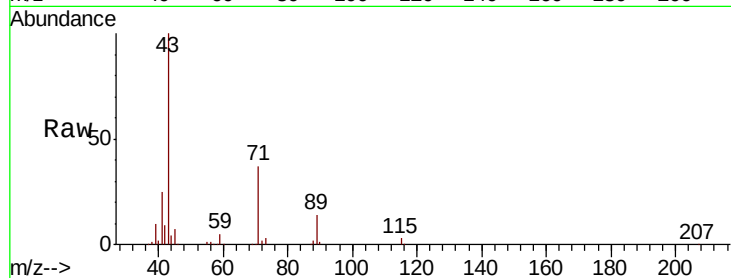




#56
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 10.53 min Scan# 2725
Delta R.T. 0.12 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

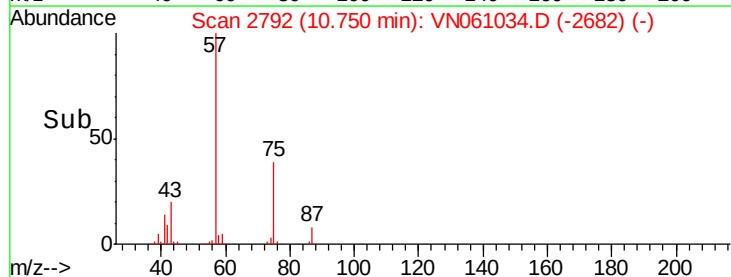
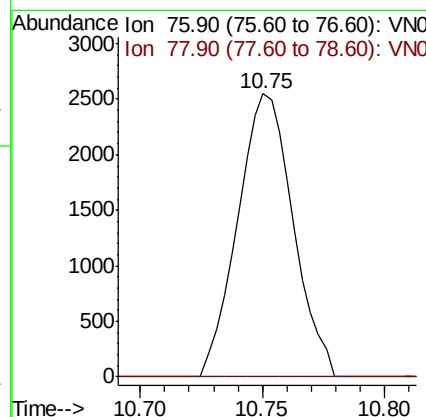
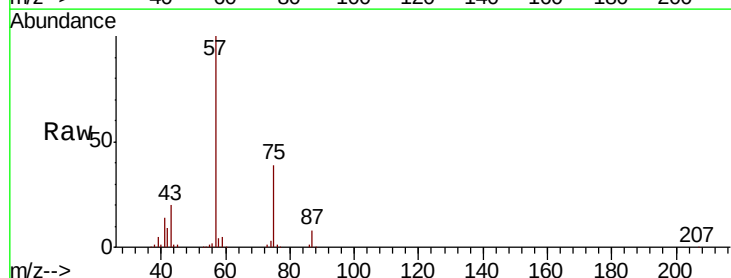
Instrument :
MSVOA_N
ClientSampleId :
PB128268TB

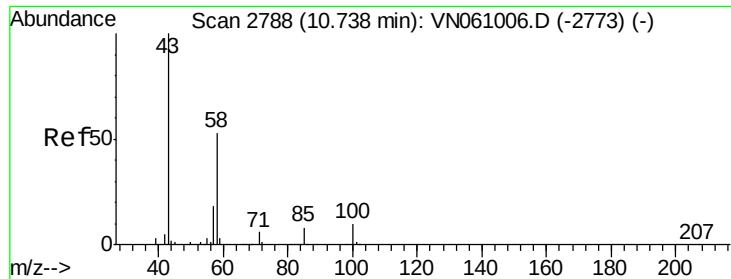
Tot Ion: 69 Resp: 587
Ion Ratio Lower Upper
69 100
41 7847.2 56.7 85.1#
39 3219.4 29.4 44.0#



#57
1,3-Dichloropropane
Concen: 1.211 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.05 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion: 76 Resp: 4004
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#

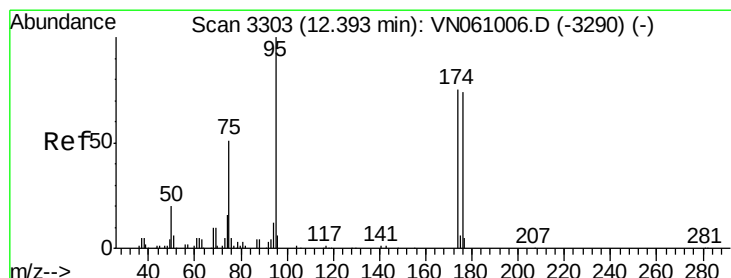
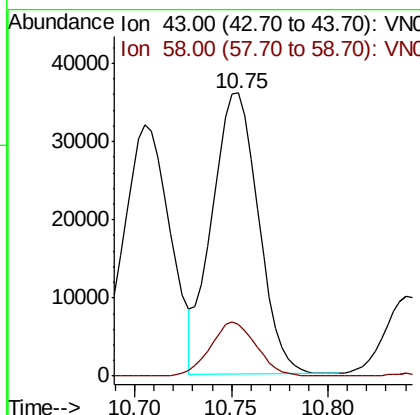
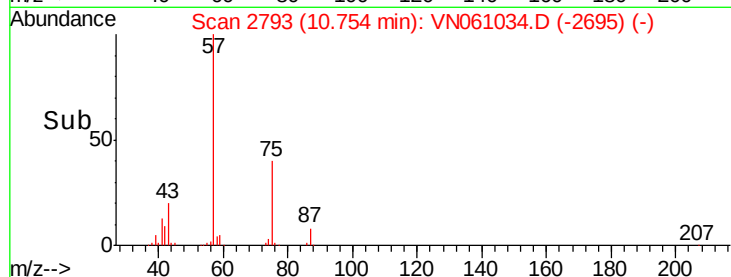
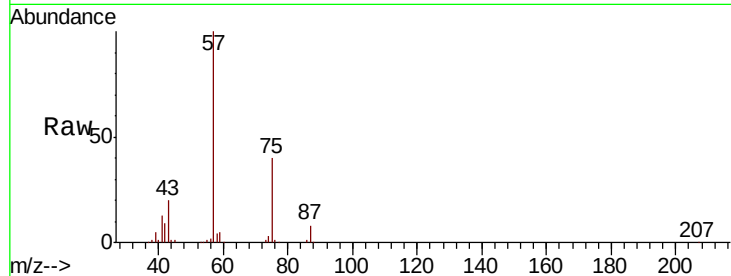




#59
2-Hexanone
Concen: 29.736 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.02 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

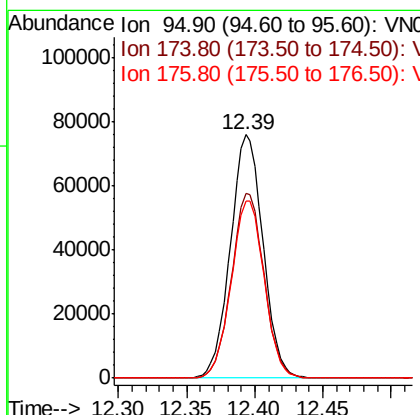
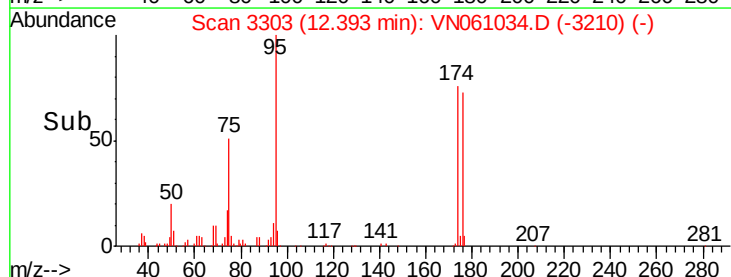
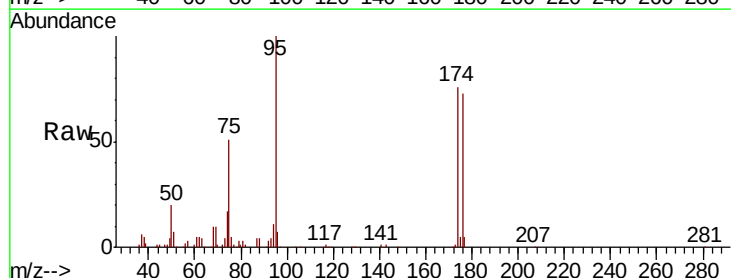
Instrument :
MSVOA_N
ClientSampled :
PB128268TB

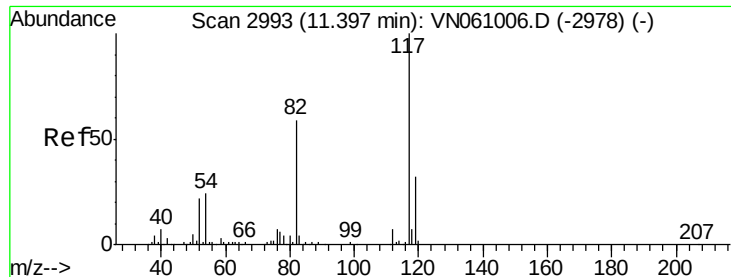
Tot Ion: 43 Resp: 60061
Ion Ratio Lower Upper
43 100
58 19.0 26.4 79.0#



#62
4-Bromofluorobenzene
Concen: 54.634 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.00 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion: 95 Resp: 125979
Ion Ratio Lower Upper
95 100
174 75.8 0.0 151.2
176 73.6 0.0 148.2

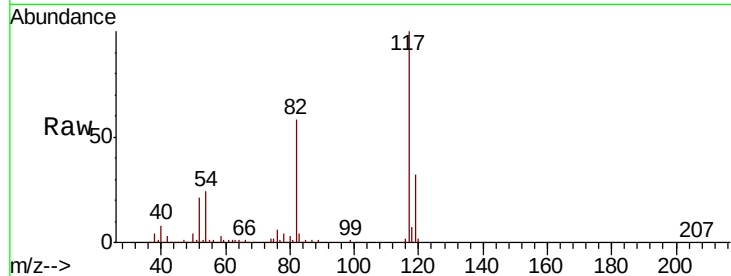




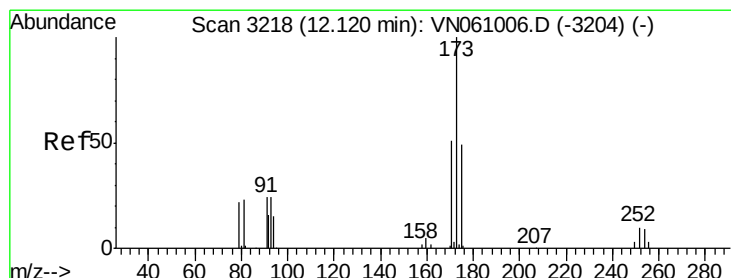
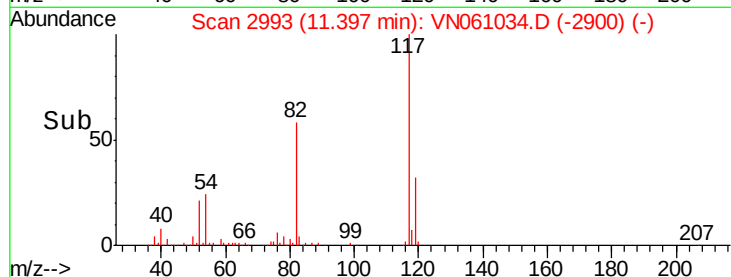
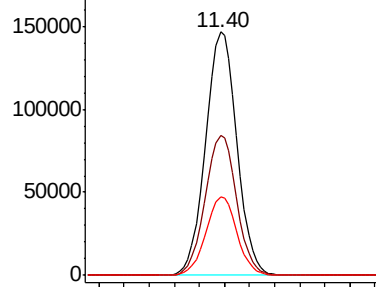
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
PB128268TB

Tot Ion:117 Resp: 253980
Ion Ratio Lower Upper
117 100
82 57.7 47.1 70.7
119 32.2 25.7 38.5

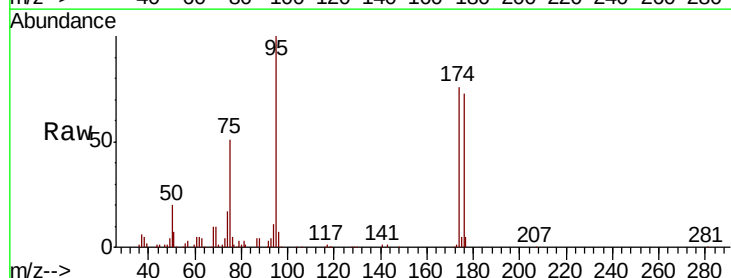


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

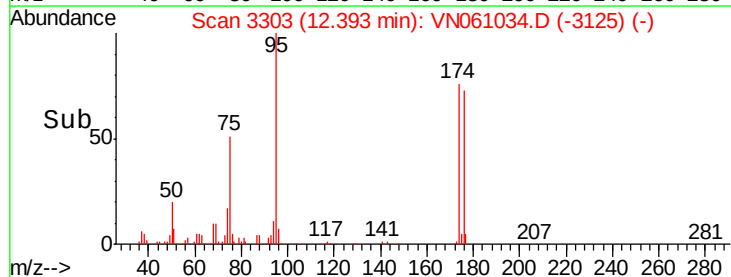
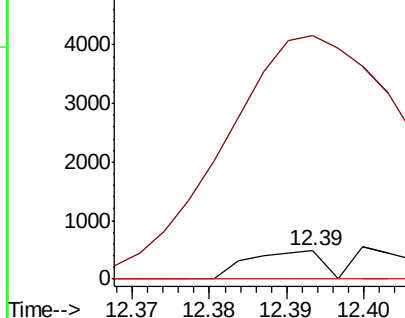


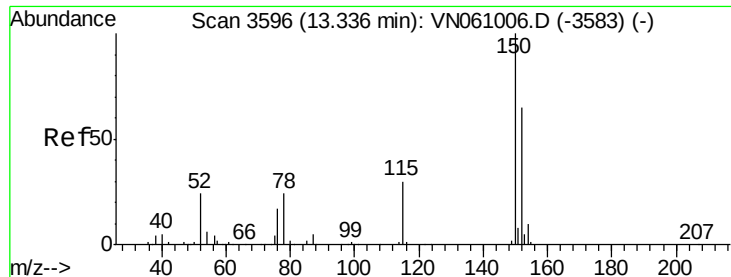
#71
Bromoform
Concen: 0.228 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion:173 Resp: 319
Ion Ratio Lower Upper
173 100
175 1974.3 24.5 73.5#
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



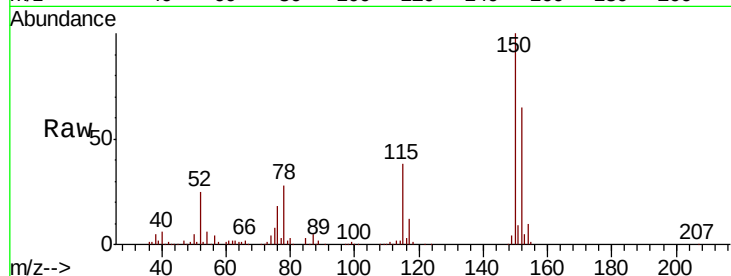


#72

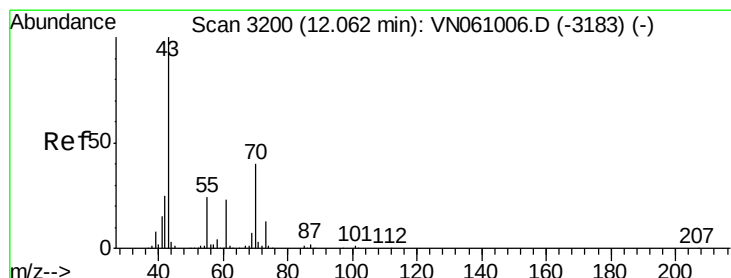
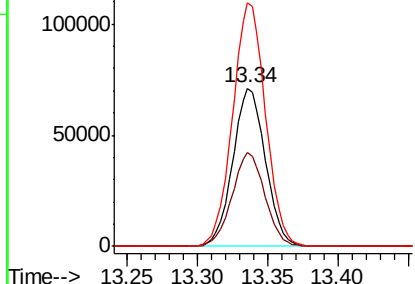
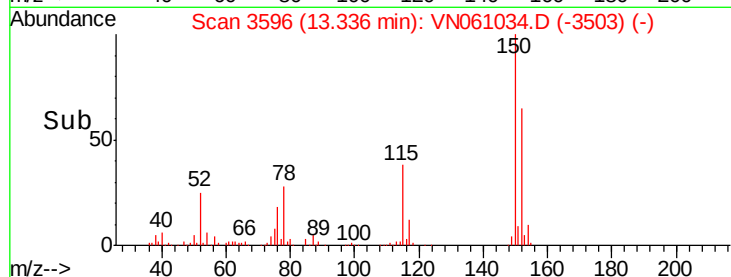
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Instrument :
MSVOA_N
ClientSampleId :
PB128268TB

Tot Ion:152 Resp: 115548
Ion Ratio Lower Upper
152 100
115 59.3 30.8 92.4
150 154.9 0.0 349.0



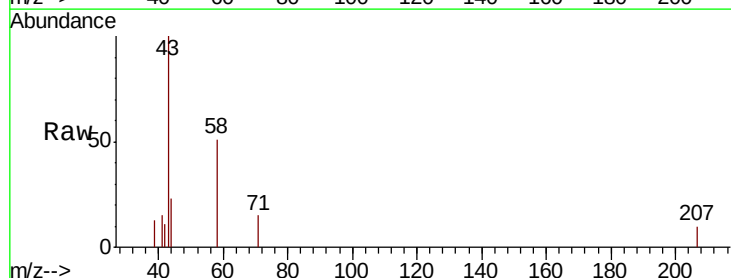
Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



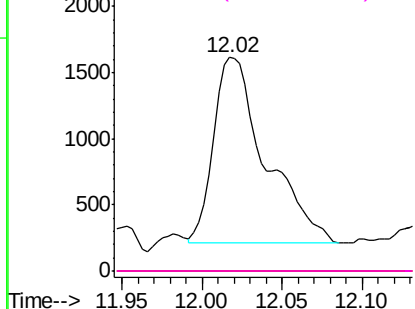
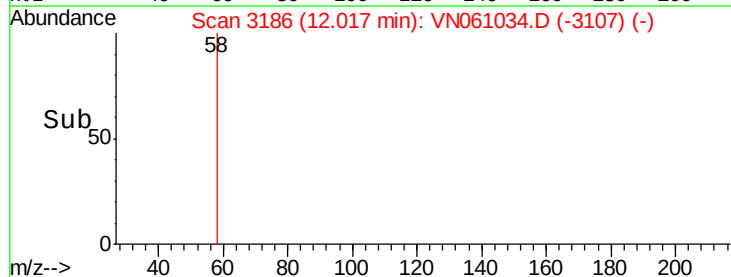
#74

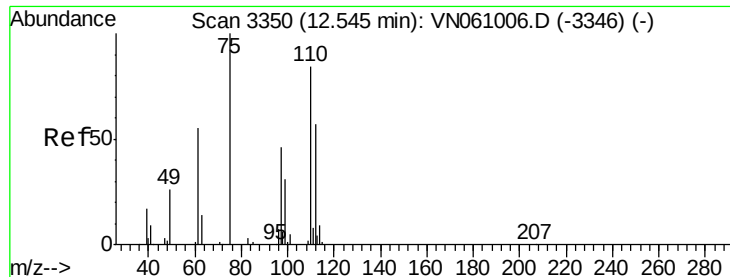
N-ethyl acetate
Concen: 0.732 ug/l
RT: 12.02 min Scan# 3186
Delta R.T. -0.05 min
Lab File: VN061034.D
Acq: 16 Apr 2020 23:52

Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
70 0.0 31.0 46.6#
55 0.0 18.6 27.8#
61 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO
2500 Ion 70.00 (69.70 to 70.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.496 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

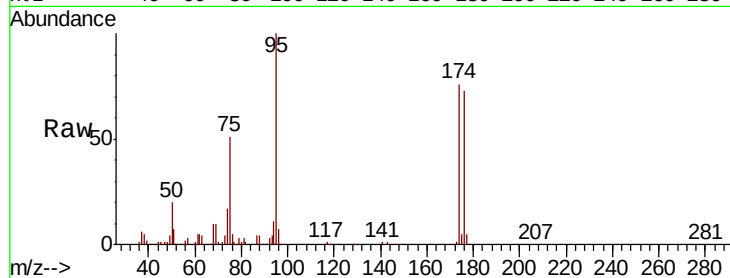
PB128268TB

Tot Ion: 75 Resp: 64800

Ion Ratio Lower Upper

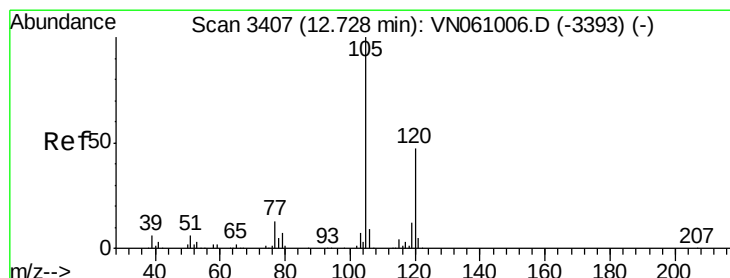
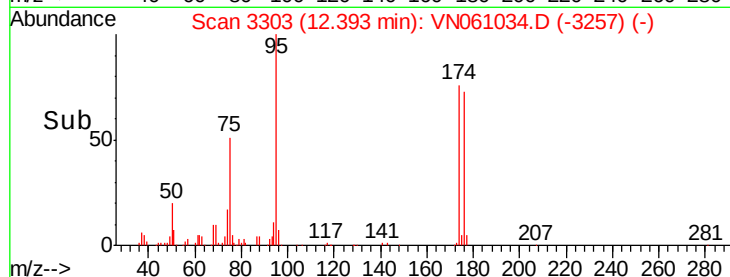
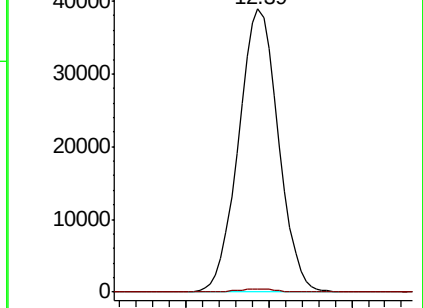
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN061006.D (-3346) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.646 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061034.D

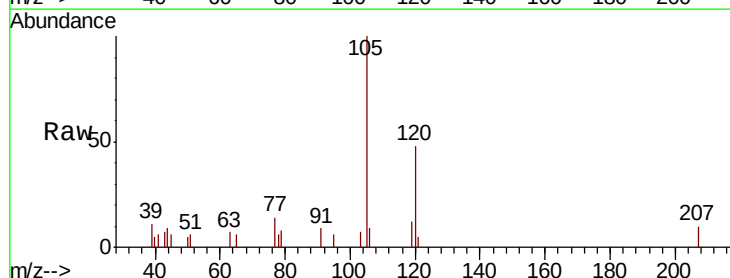
Acq: 16 Apr 2020 23:52

Tgt Ion: 105 Resp: 4946

Ion Ratio Lower Upper

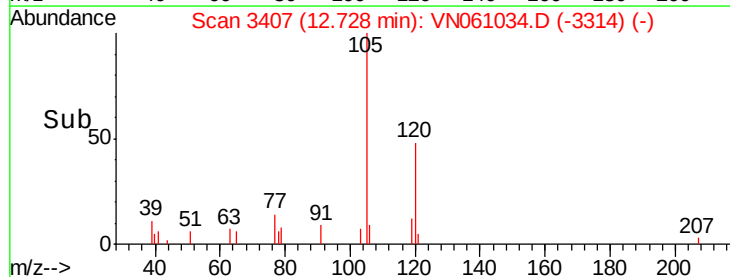
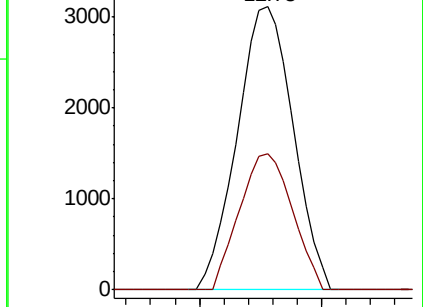
105 100

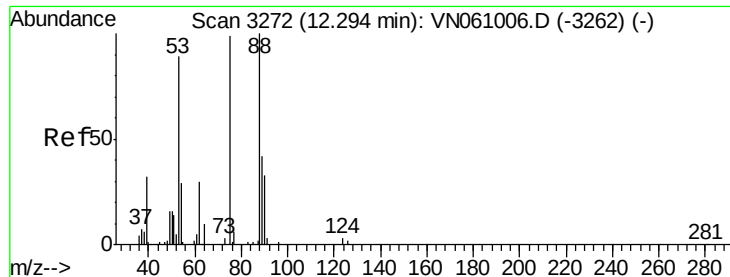
120 45.5 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 62.888 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061034.D

Acq: 16 Apr 2020 23:52

Instrument :

MSVOA_N

ClientSampleId :

PB128268TB

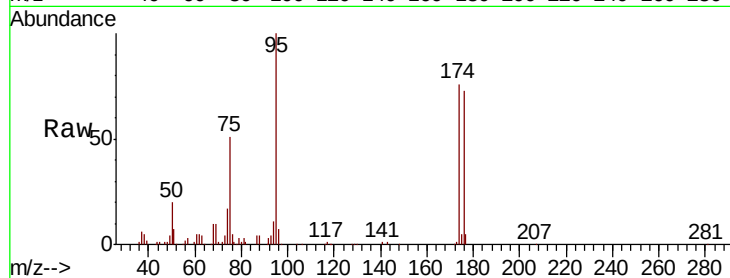
Tot Ion: 75 Resp: 64800

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



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

