

Data File : VN061196.D
Acq On : 29 Apr 2020 16:56
Operator : JC/MD
Sample : PB128535TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB128535TB

Quant Time: Apr 30 03:05:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	92304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	167439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	171770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	75815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	76626	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.55	113	47170	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.06	98	217619	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.38	95	82036	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	

Target Compounds

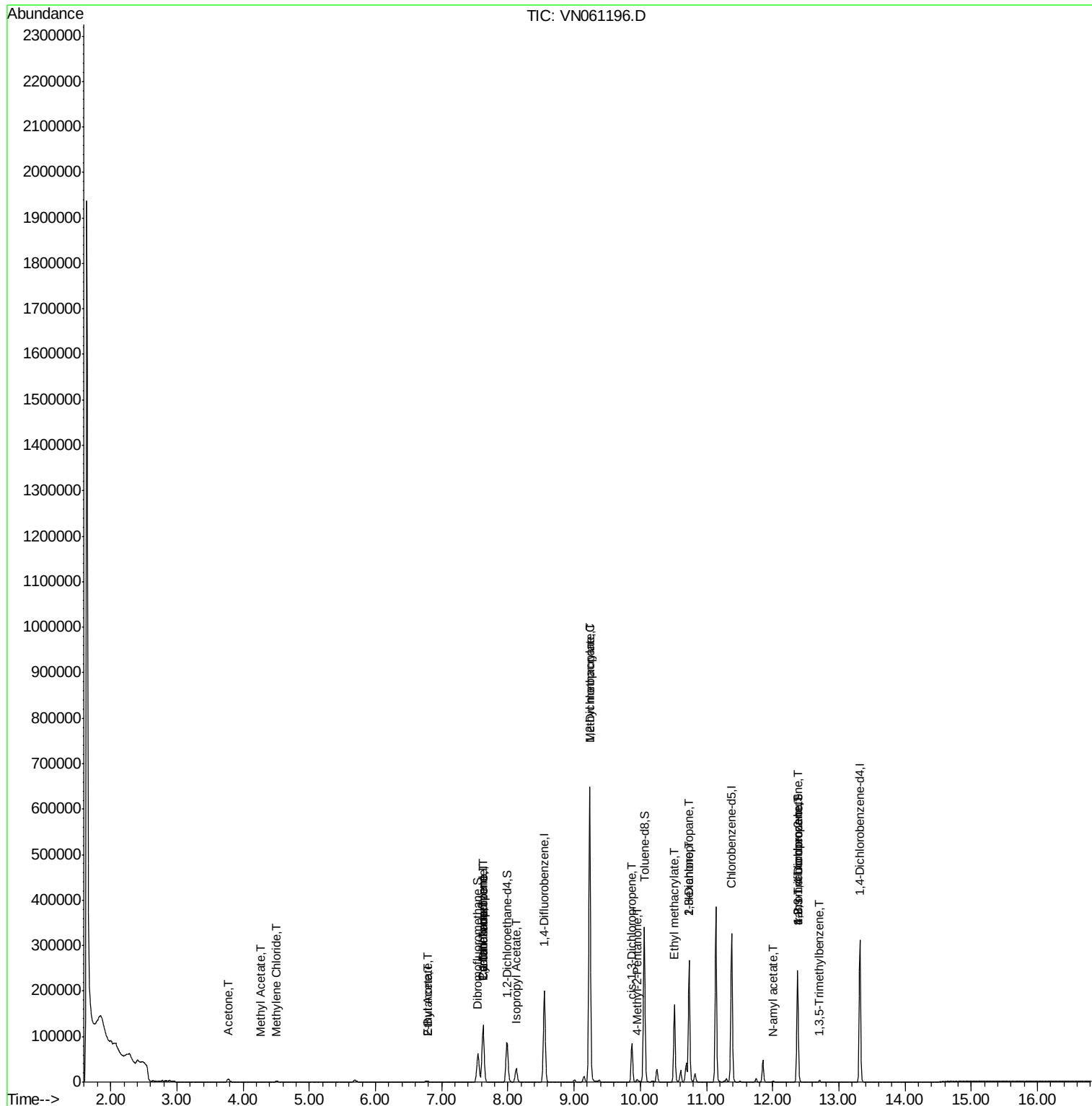
						Qvalue
16) Acetone	3.77	43	11348	14.894	ug/l	97
18) Methyl Acetate	4.28	43	1643	1.558	ug/l #	55
20) Methylene Chloride	4.50	84	715	0.628	ug/l	90
25) 2-Butanone	6.79	43	1481	1.714	ug/l #	53
31) Cyclohexane	7.63	56	2424	1.141	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	8470	5.053	ug/l #	49
37) Ethyl Acetate	6.79	43	1481	0.754	ug/l #	71
38) Carbon Tetrachloride	7.63	117	9589	8.270	ug/l #	16
43) Isopropyl Acetate	8.13	43	36108	11.072	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	647	0.485	ug/l #	44
48) Methyl methacrylate	9.24	41	64820	44.048	ug/l #	49
51) 4-Methyl-2-Pentanone	9.95	43	3360	1.750	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	13667	6.471	ug/l #	64
56) Ethyl methacrylate	10.51	69	604	3.000	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2534	1.202	ug/l #	43
59) 2-Hexanone	10.74	43	42792	30.642	ug/l #	51
74) N-amyl acetate	12.00	43	2107	0.747	ug/l #	46
76) 1,2,3-Trichloropropane	12.37	75	46456	29.064	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2520	0.546	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.37	75	46456	73.808	ug/l #	8

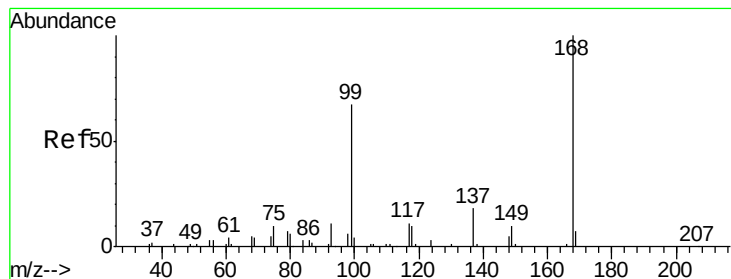
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

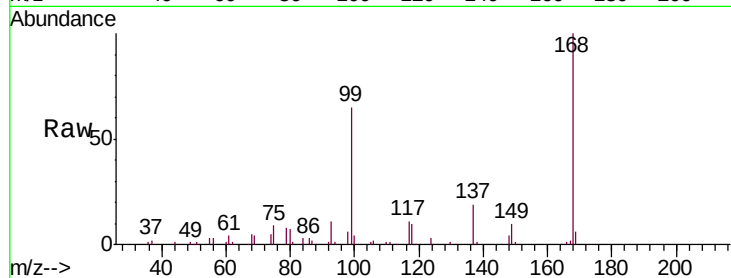
PB128535TB

Tgt Ion: 168 Resp: 92304

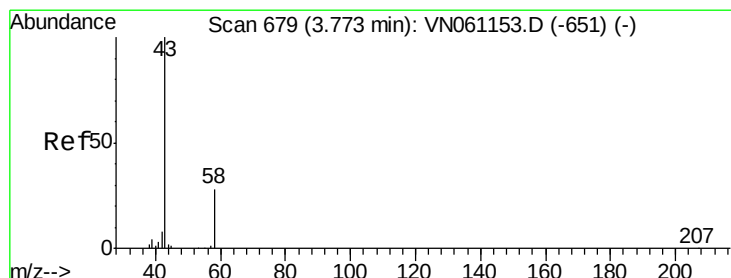
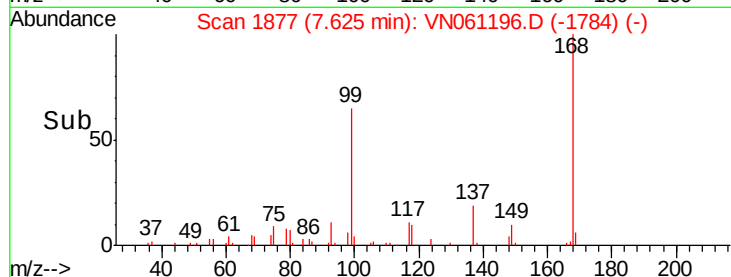
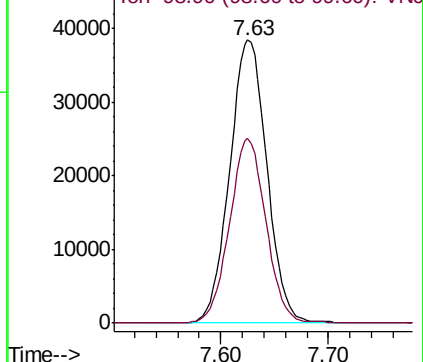
Ion Ratio Lower Upper

168 100

99 65.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): VN061196.D (-1784) (-)



#16

Acetone

Concen: 14.894 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061196.D

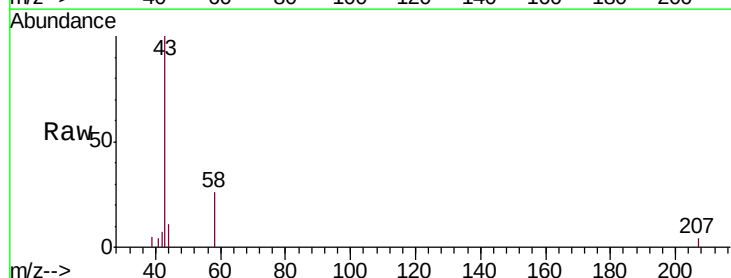
Acq: 29 Apr 2020 16:56

Tgt Ion: 43 Resp: 11348

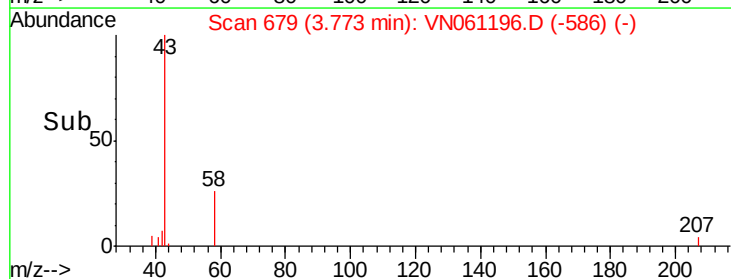
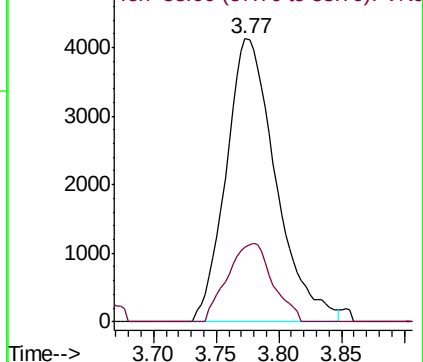
Ion Ratio Lower Upper

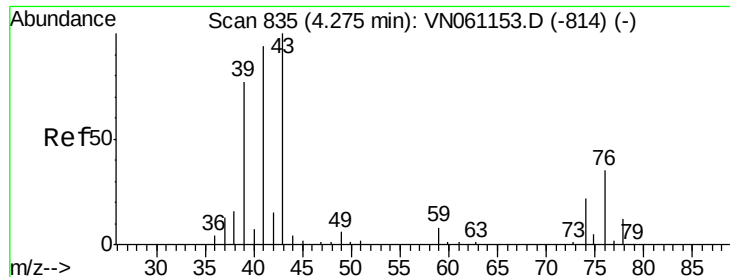
43 100

58 26.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061196.D (-586) (-)





#18

Methyl Acetate

Concen: 1.558 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

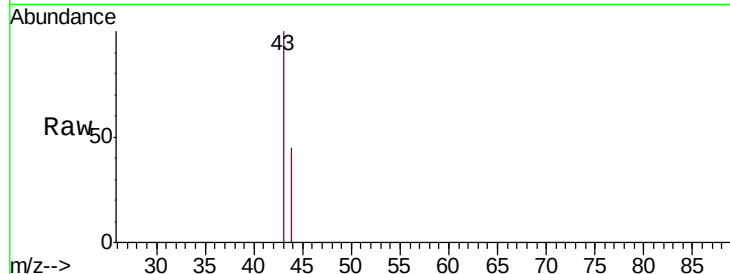
PB128535TB

Tgt Ion: 43 Resp: 1643

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-814) (-)

Ion 74.00 (73.70 to 74.70): VN061153.D (-814) (-)

4.28

600

500

400

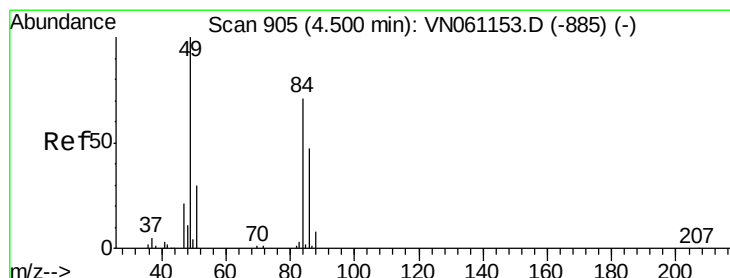
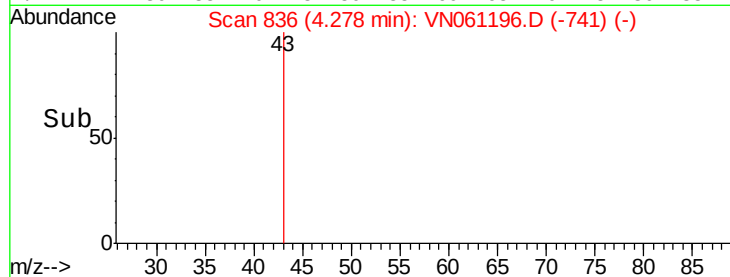
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.628 ug/l

RT: 4.50 min Scan# 904

Delta R.T. -0.00 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Tgt Ion: 84 Resp: 715

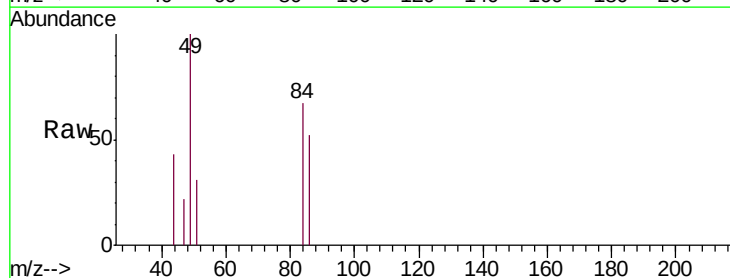
Ion Ratio Lower Upper

84 100

49 150.1 112.0 168.0

51 46.1 33.6 50.4

86 77.8 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VN061153.D (-885) (-)

Ion 48.90 (48.60 to 49.60): VN061153.D (-885) (-)

Ion 50.90 (50.60 to 51.60): VN061153.D (-885) (-)

Ion 85.90 (85.60 to 86.60): VN061153.D (-885) (-)

1000

800

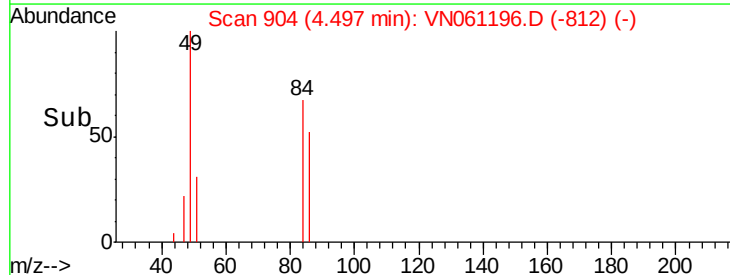
600

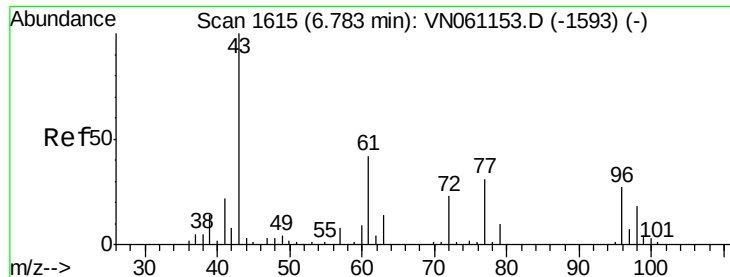
400

200

0

Time-->





#25

2-Butanone

Concen: 1.714 ug/l

RT: 6.79 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

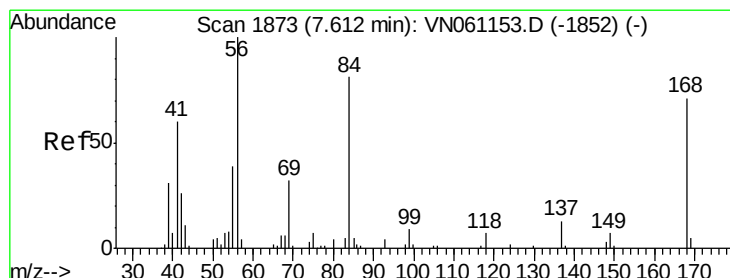
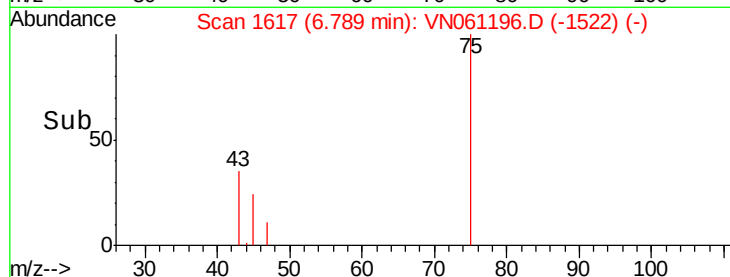
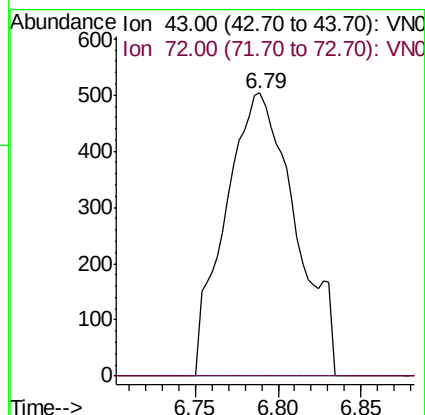
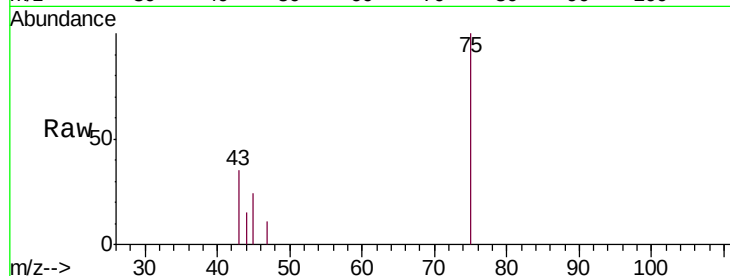
PB128535TB

Tgt Ion: 43 Resp: 1481

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.63 min Scan# 1879

Delta R.T. 0.02 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

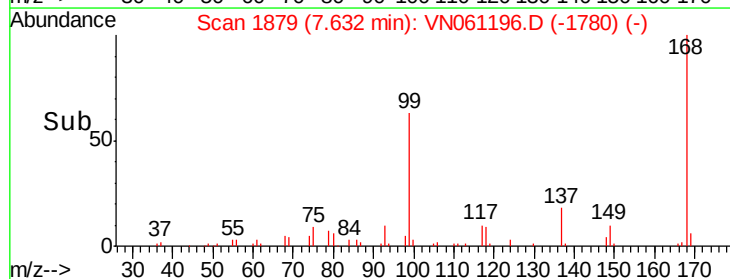
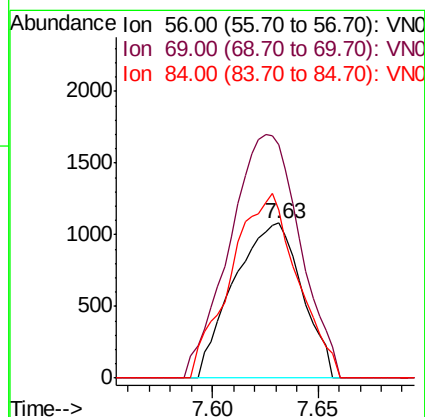
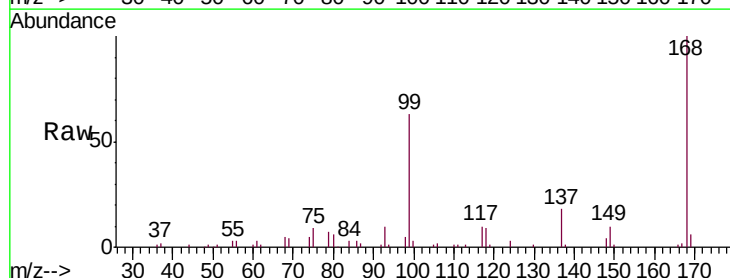
Tgt Ion: 56 Resp: 2424

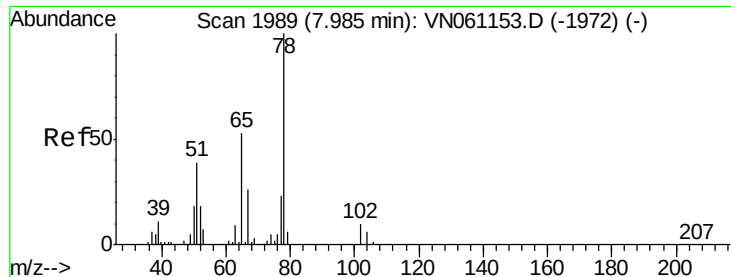
Ion Ratio Lower Upper

56 100

69 150.8 25.7 38.5#

84 108.9 64.6 97.0#

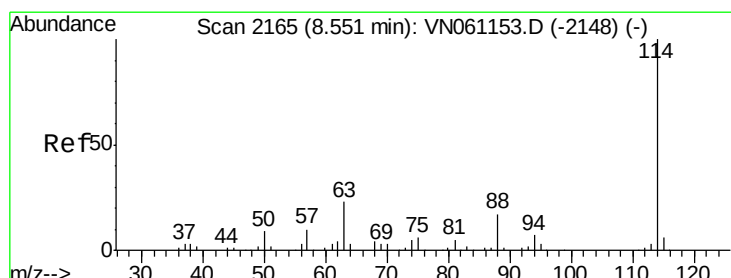
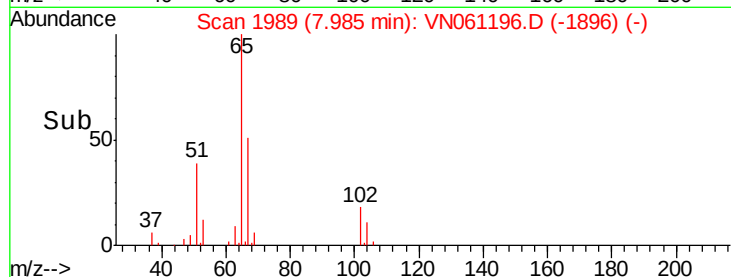
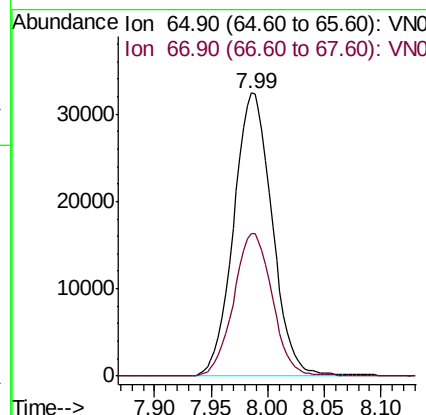
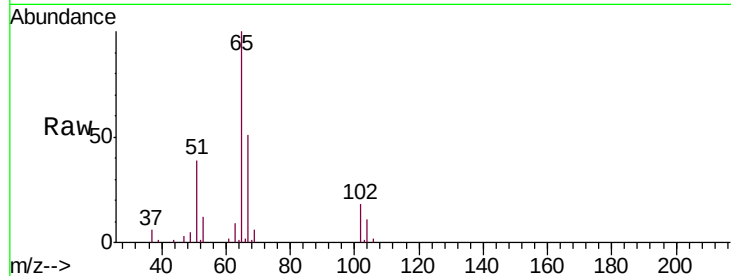




#33
 1,2-Dichloroethane-d4
 Concen: 52.464 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

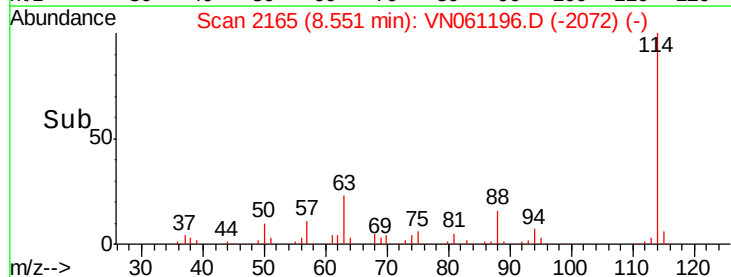
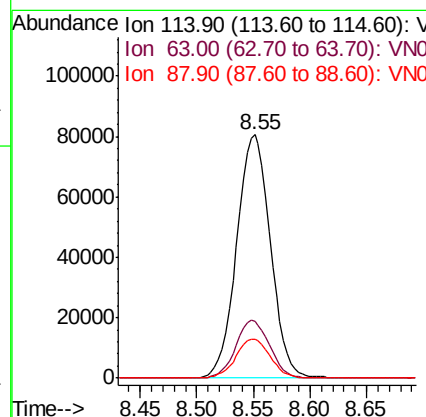
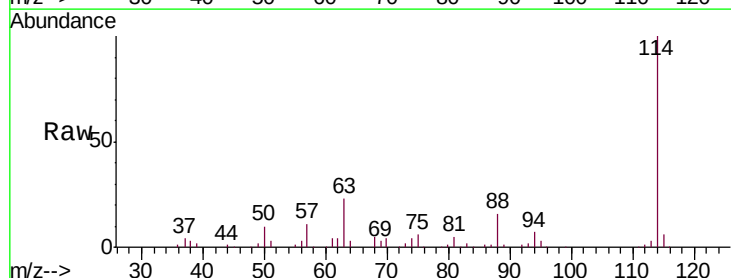
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128535TB

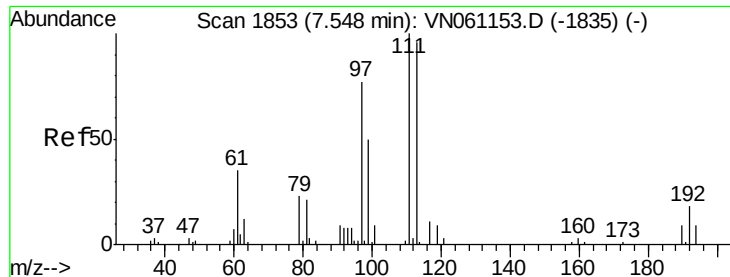
Tgt Ion: 65 Resp: 76626
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

Tgt Ion: 114 Resp: 167439
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.6
 88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.641 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB128535TB

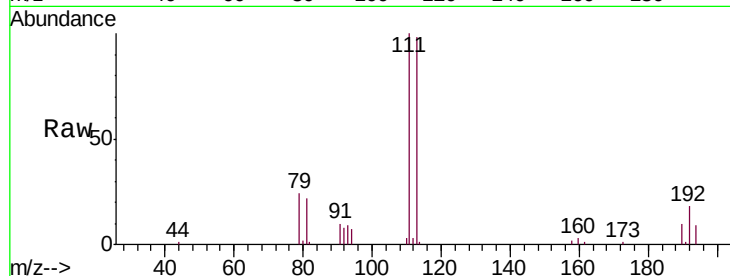
Tgt Ion:113 Resp: 47170

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

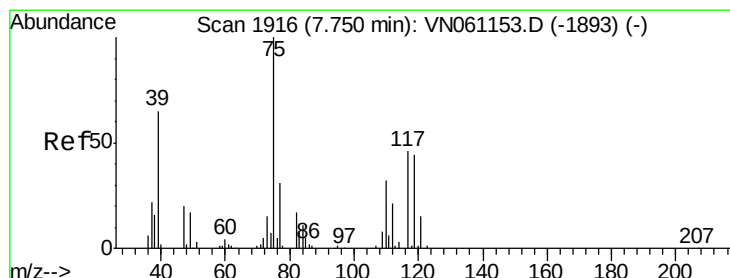
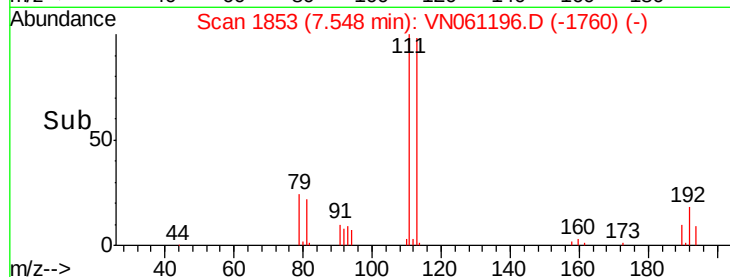
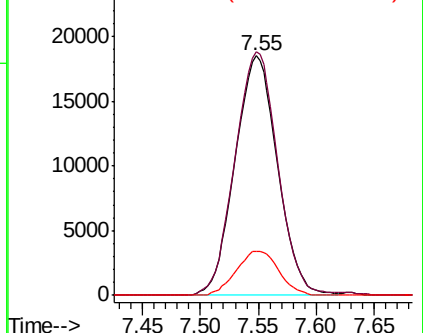
192 18.4 14.7 22.1



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: 5.053 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.13 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

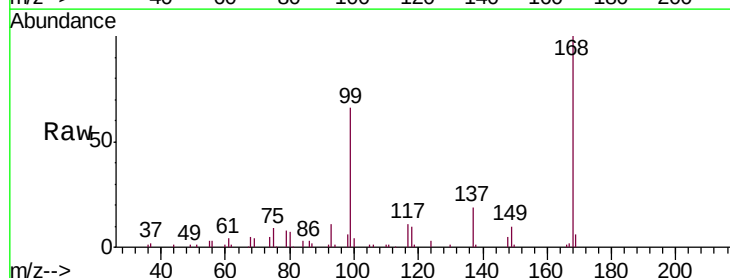
Tgt Ion: 75 Resp: 8470

Ion Ratio Lower Upper

75 100

110 6.3 16.0 48.0#

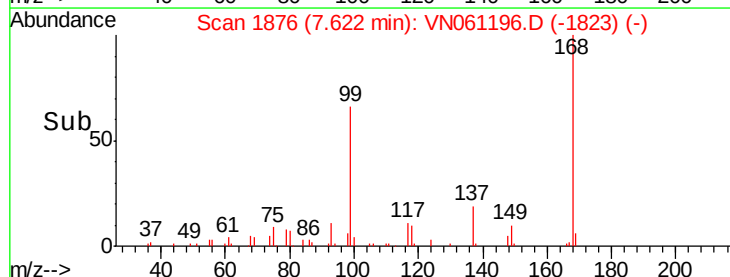
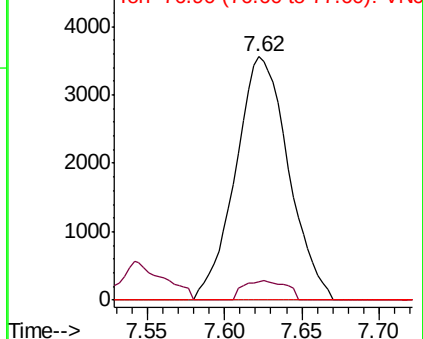
77 0.0 24.6 37.0#

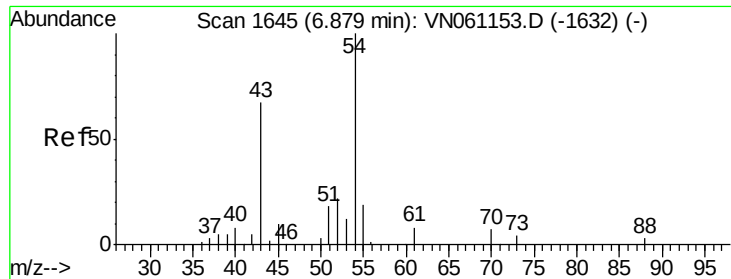


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

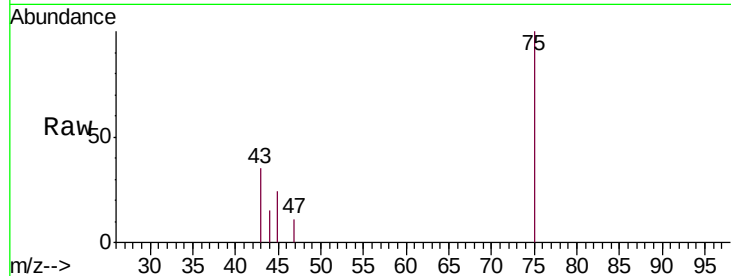




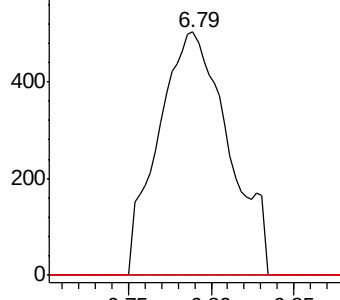
#37
Ethyl Acetate
Concen: 0.754 ug/l
RT: 6.79 min Scan# 1617
Delta R.T. -0.09 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Instrument :
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PB128535TB

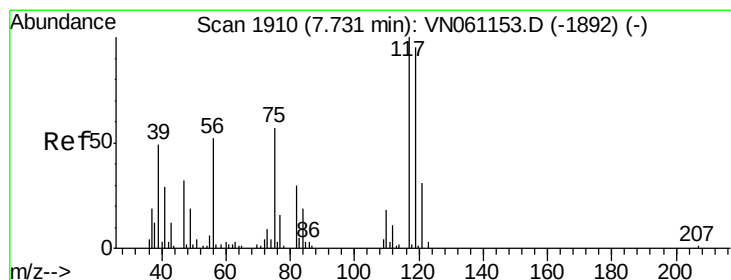
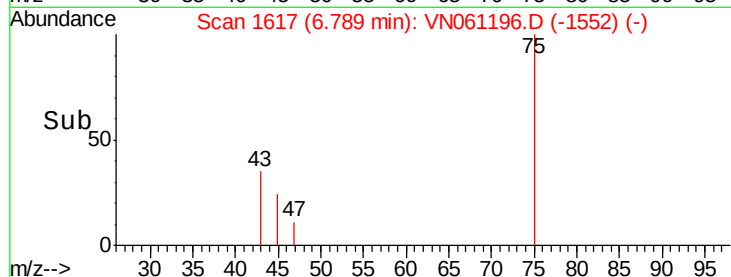
Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

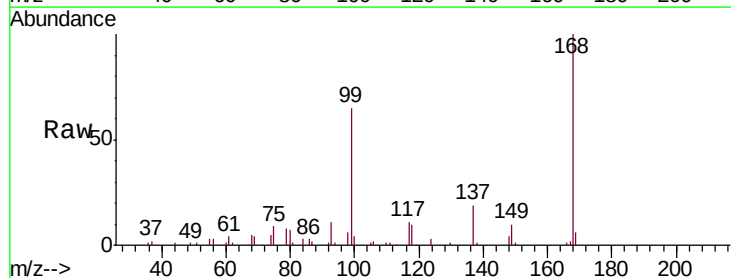


Time-->

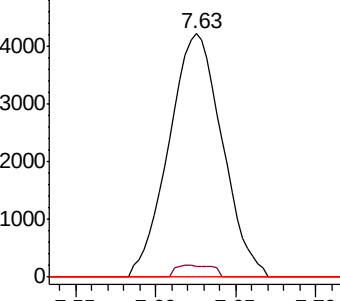


#38
Carbon Tetrachloride
Concen: 8.270 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.11 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

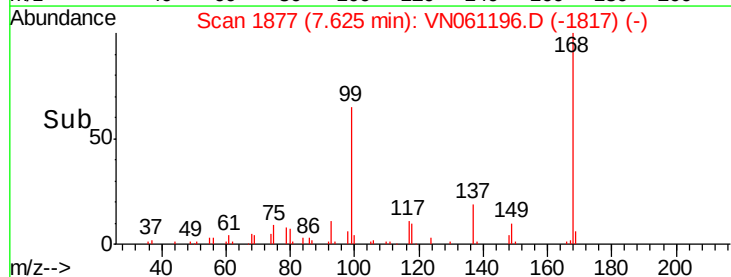
Tgt Ion: 117 Resp: 9589
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.7 37.1#

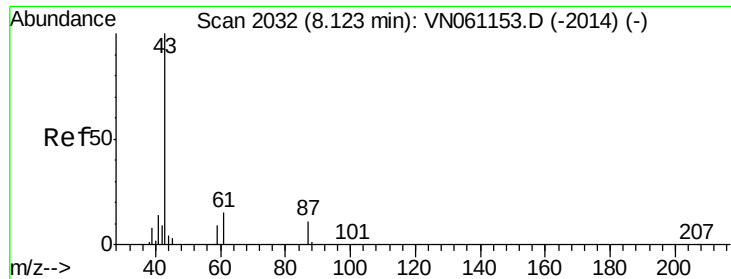


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->





#43

Isopropyl Acetate

Concen: 11.072 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB128535TB

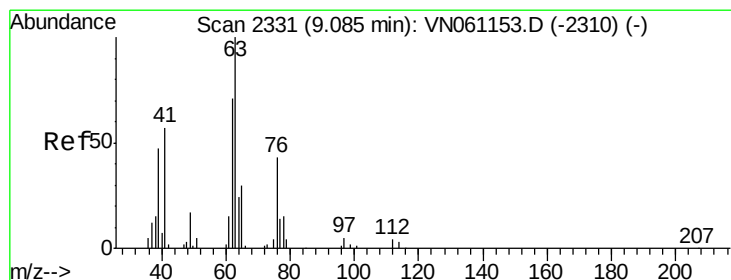
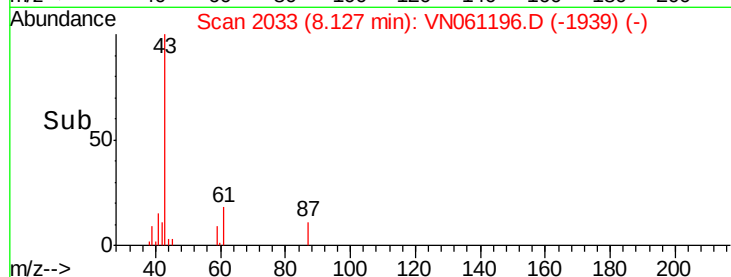
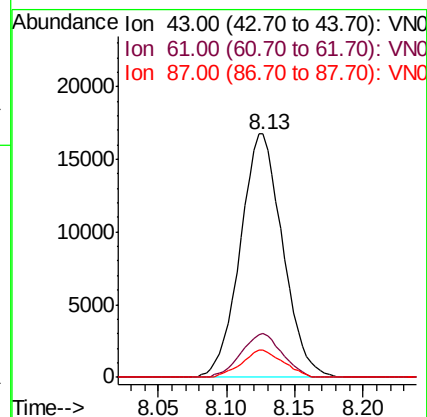
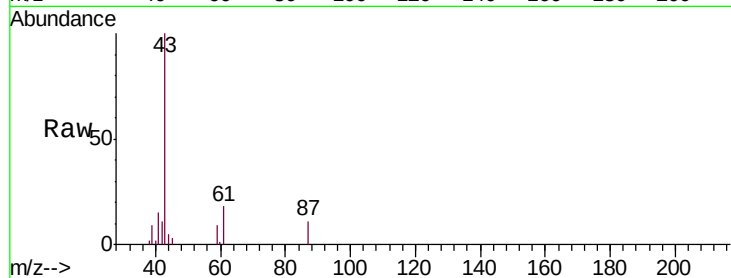
Tgt Ion: 43 Resp: 36108

Ion Ratio Lower Upper

43 100

61 17.3 19.5 29.3#

87 10.9 8.9 13.3



#45

1,2-Dichloropropane

Concen: 0.485 ug/l

RT: 9.24 min Scan# 2378

Delta R.T. 0.15 min

Lab File: VN061196.D

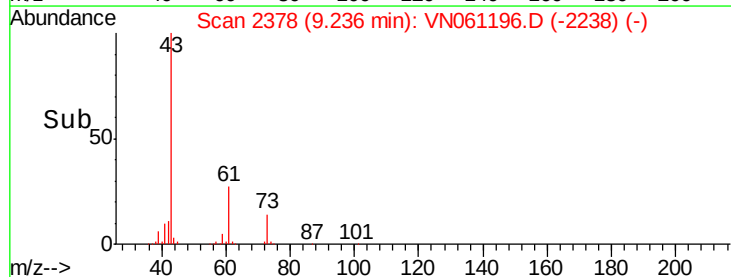
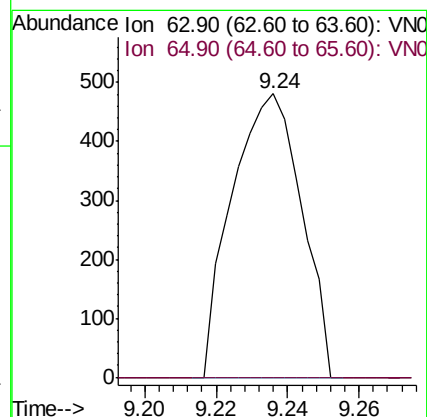
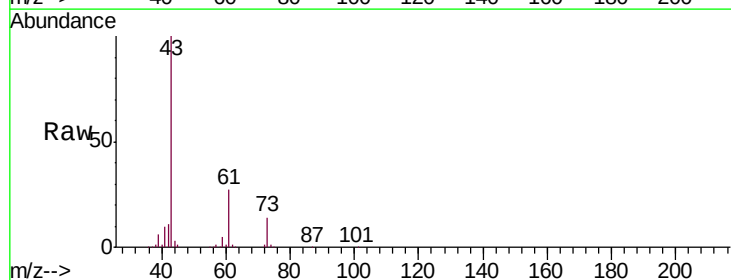
Acq: 29 Apr 2020 16:56

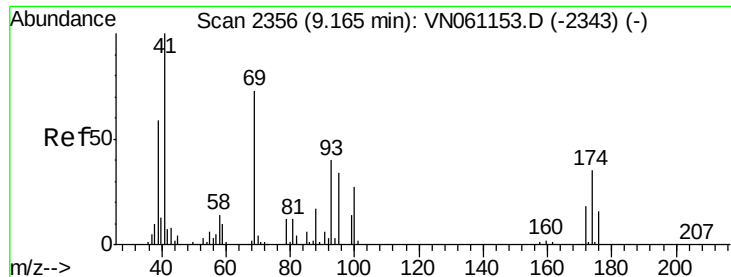
Tgt Ion: 63 Resp: 647

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

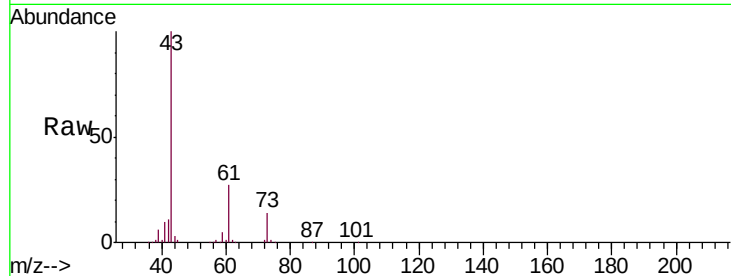




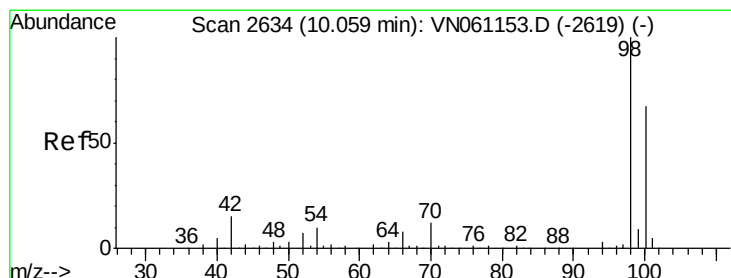
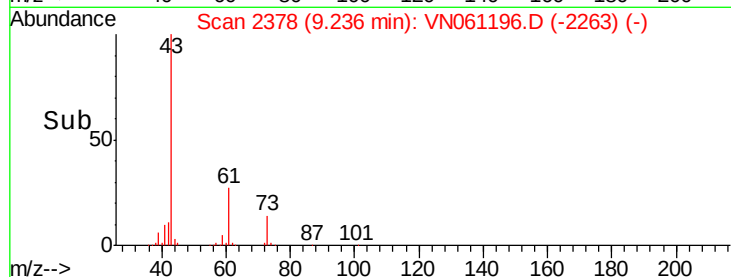
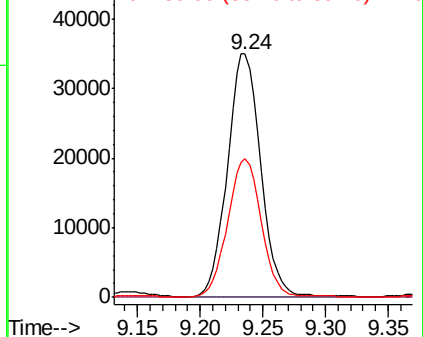
#48
Methyl methacrylate
Concen: 44.048 ug/l
RT: 9.24 min Scan# 2378
Delta R.T. 0.07 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :
PB128535TB

Tgt Ion: 41 Resp: 64820
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 57.3 47.4 71.0

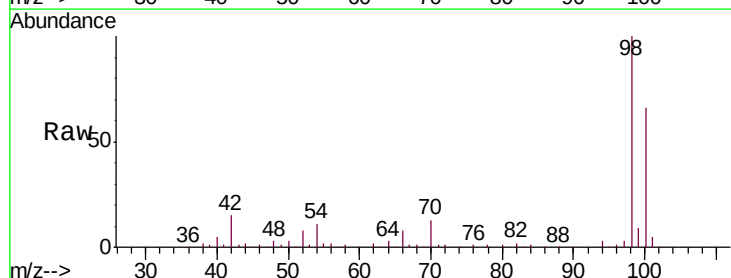


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

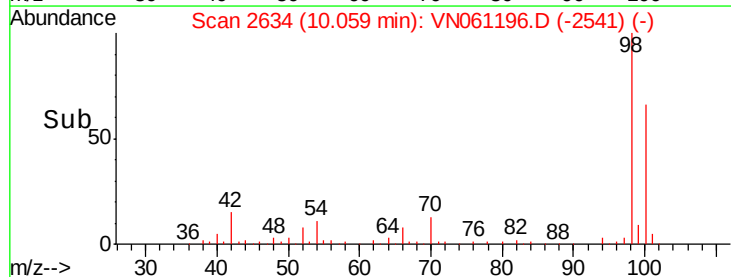
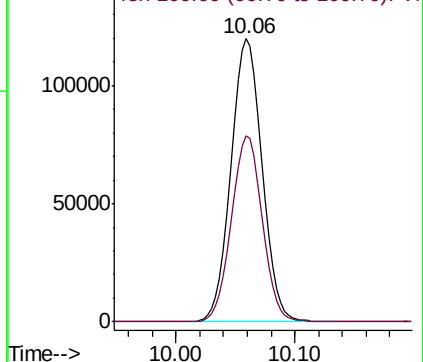


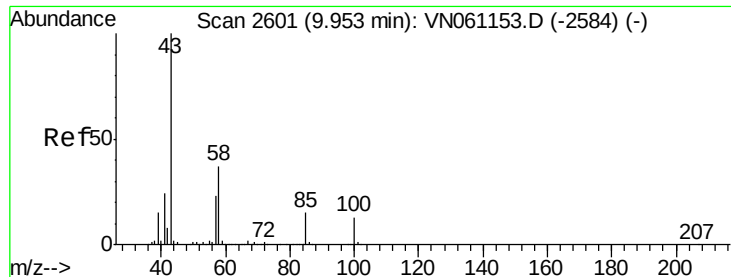
#50
Toluene-d8
Concen: 53.917 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Tgt Ion: 98 Resp: 217619
Ion Ratio Lower Upper
98 100
100 65.3 53.4 80.0



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

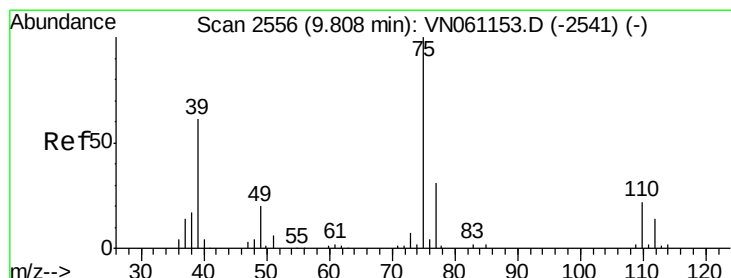
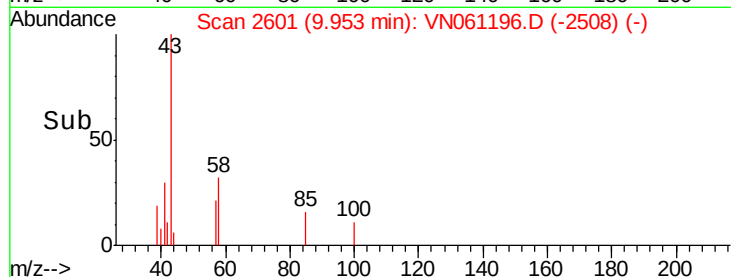
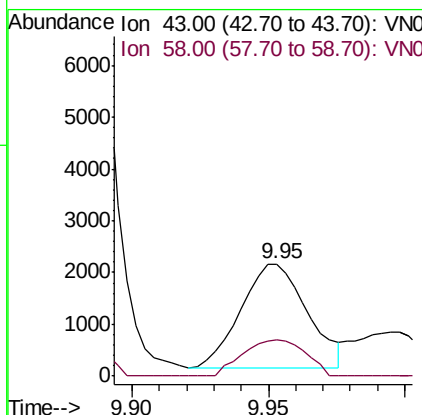
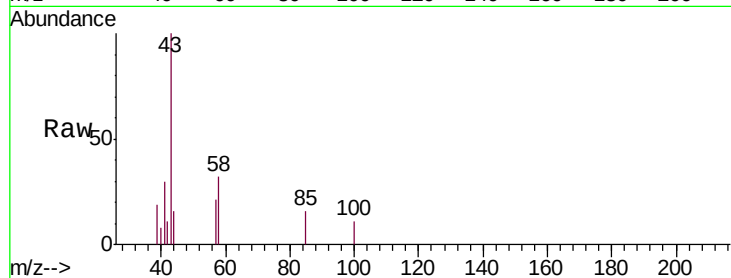




#51
 4-Methyl-2-Pentanone
 Concen: 1.750 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

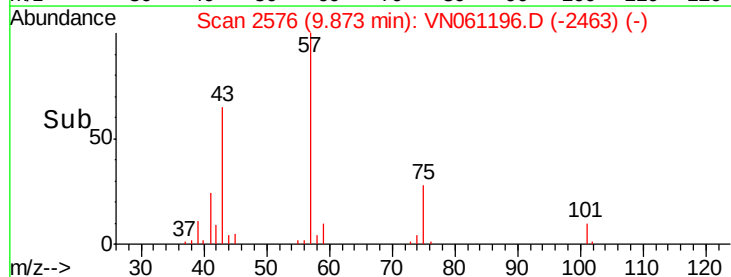
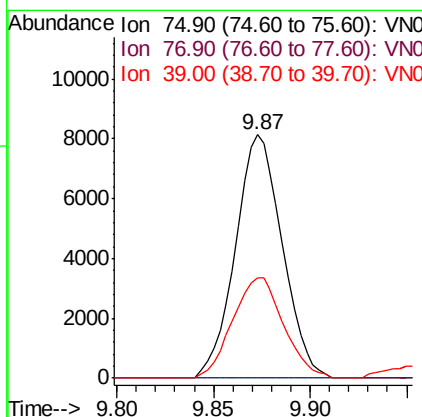
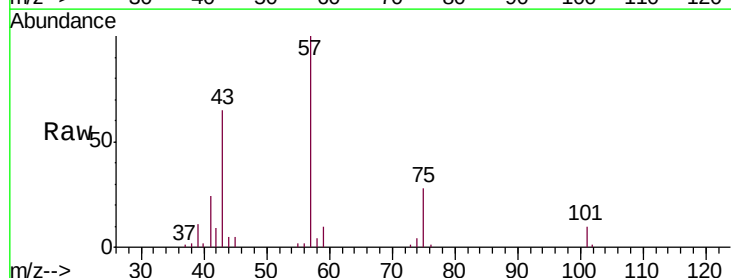
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128535TB

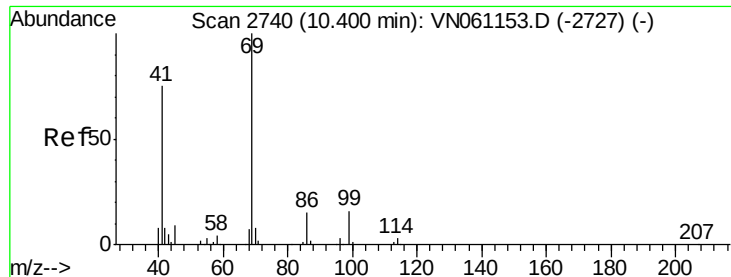
Tgt Ion: 43 Resp: 3360
 Ion Ratio Lower Upper
 43 100
 58 33.2 29.1 43.7



#54
 cis-1,3-Dichloropropene
 Concen: 6.471 ug/l
 RT: 9.87 min Scan# 2576
 Delta R.T. 0.06 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

Tgt Ion: 75 Resp: 13667
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 41.4 48.7 73.1#





#56

Ethyl methacrylate

Concen: 3.000 ug/l

RT: 10.51 min Scan# 2775

Delta R.T. 0.11 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampled :

PB128535TB

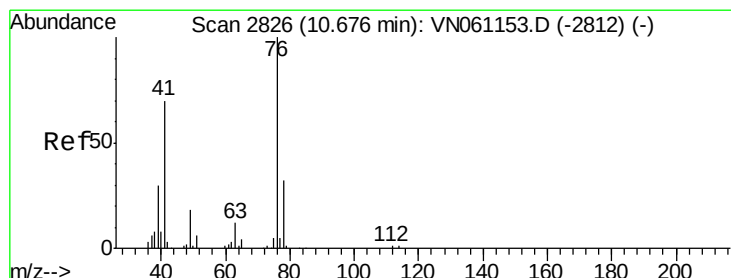
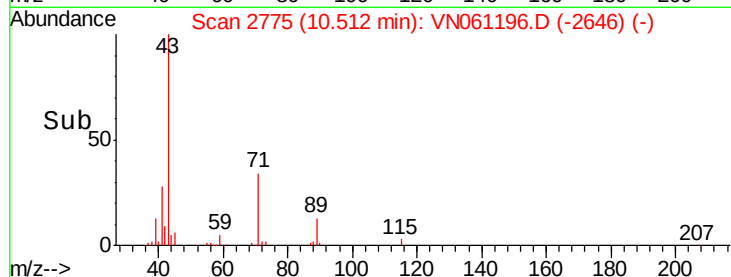
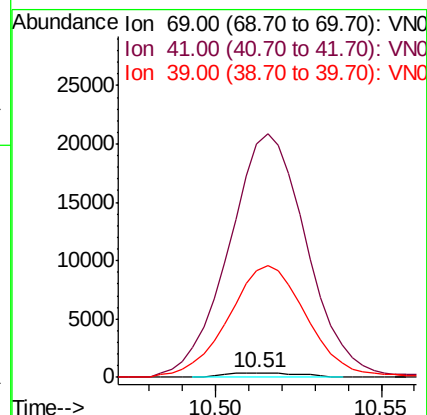
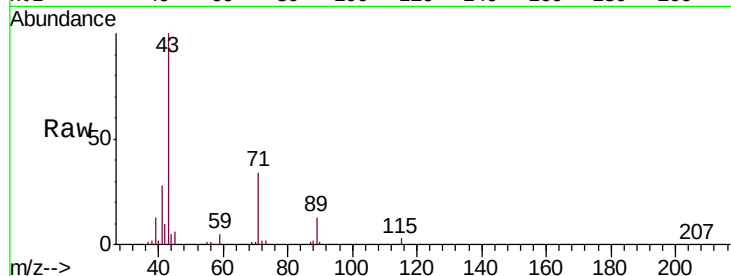
Tgt Ion: 69 Resp: 604

Ion Ratio Lower Upper

69 100

41 5688.6 60.3 90.5#

39 2633.3 35.9 53.9#



#57

1,3-Dichloropropane

Concen: 1.202 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.06 min

Lab File: VN061196.D

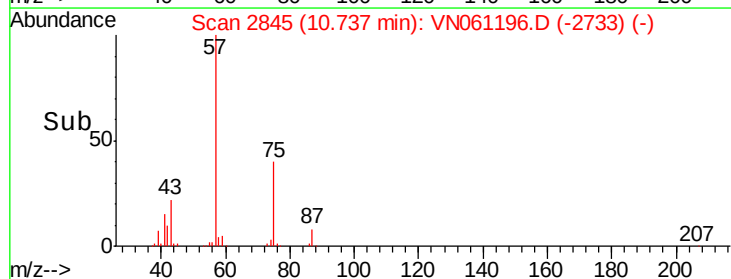
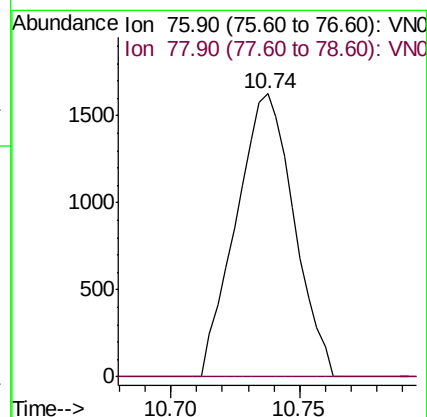
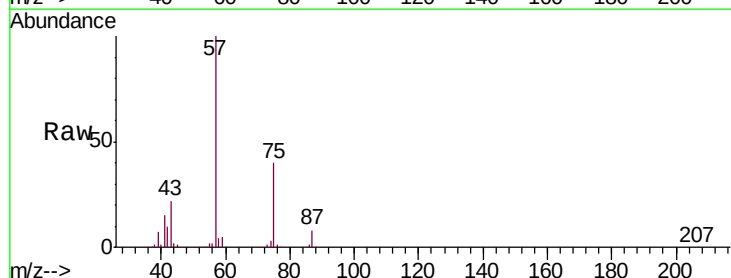
Acq: 29 Apr 2020 16:56

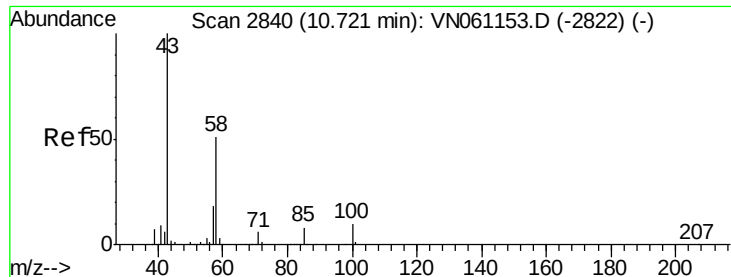
Tgt Ion: 76 Resp: 2534

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

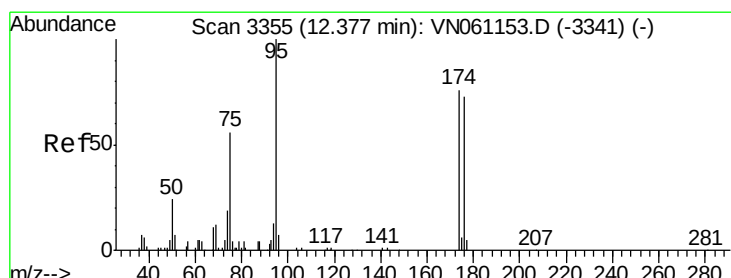
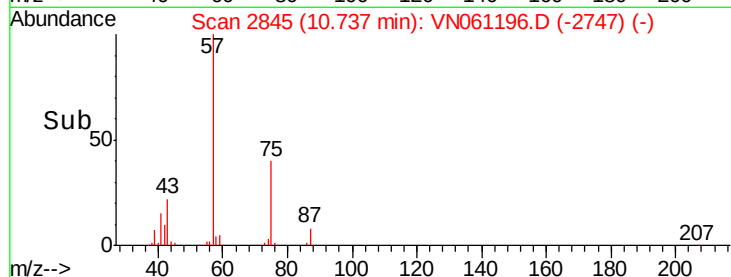
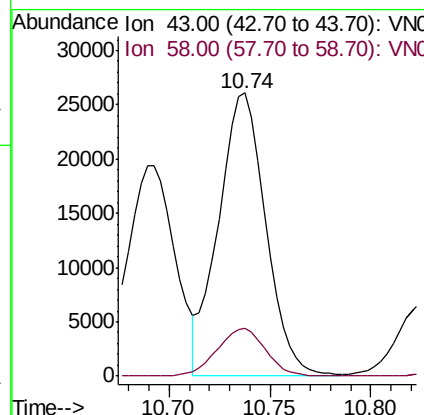
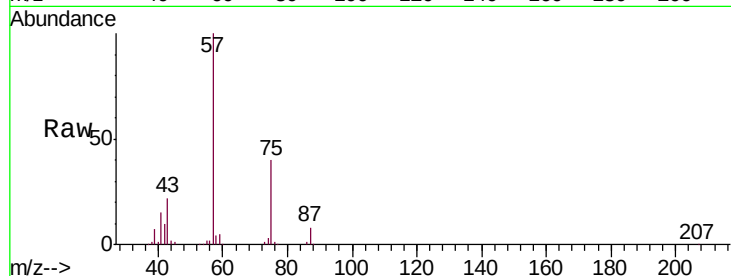




#59
2-Hexanone
Concen: 30.642 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.02 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

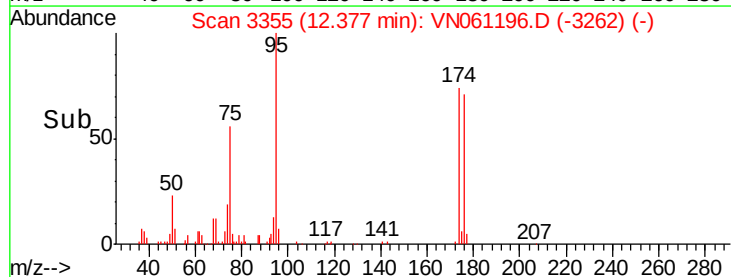
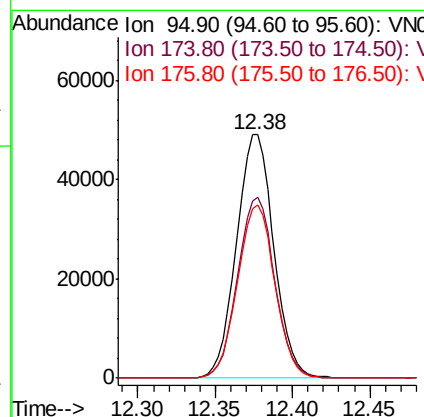
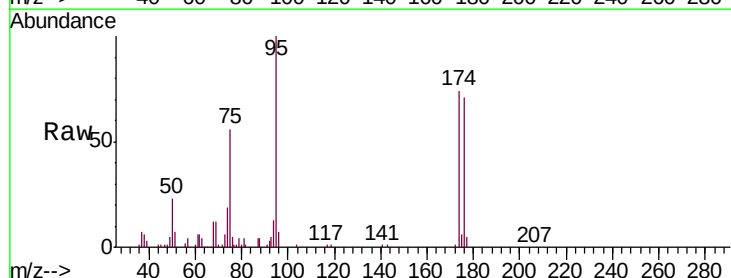
Instrument :
MSVOA_N
ClientSampleId :
PB128535TB

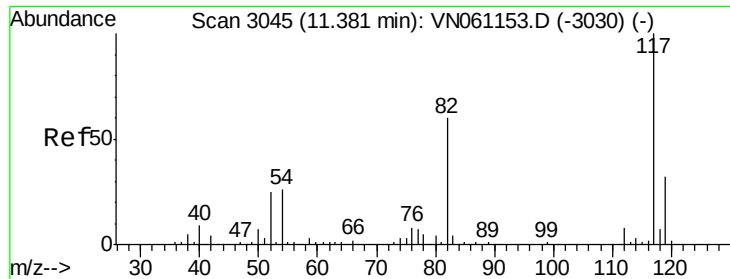
Tgt Ion: 43 Resp: 42792
Ion Ratio Lower Upper
43 100
58 17.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 54.011 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Tgt Ion: 95 Resp: 82036
Ion Ratio Lower Upper
95 100
174 74.1 0.0 149.4
176 71.4 0.0 144.8

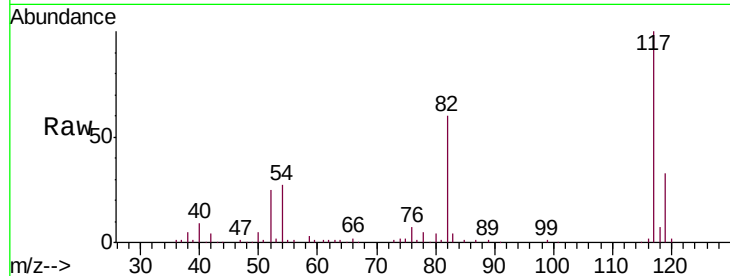




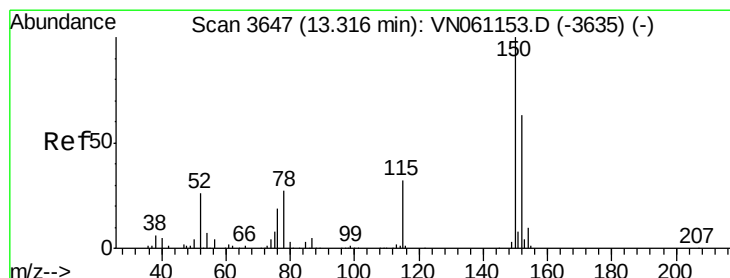
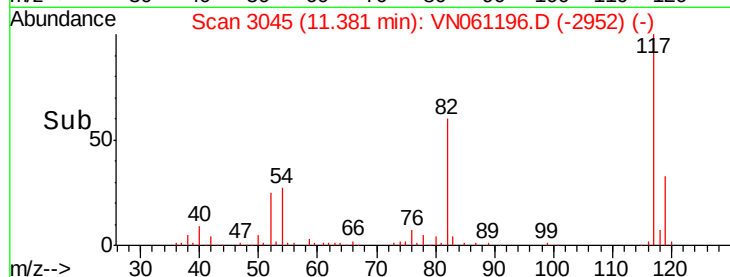
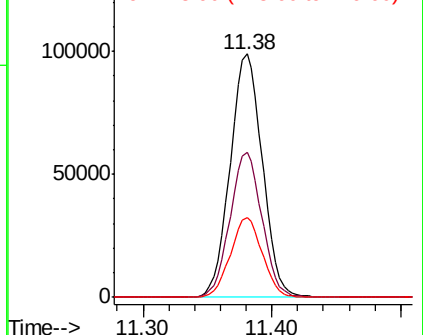
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Instrument :
MSVOA_N
ClientSampled :
PB128535TB

Tgt Ion:117 Resp: 171770
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.8 25.8 38.6

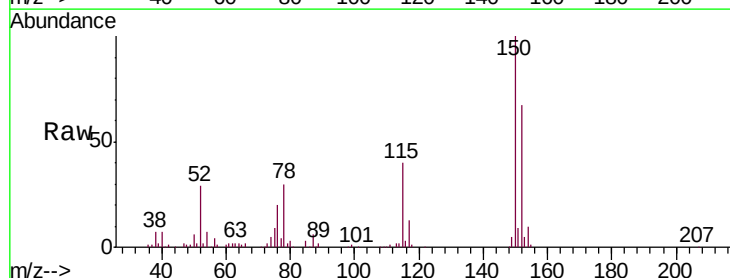


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

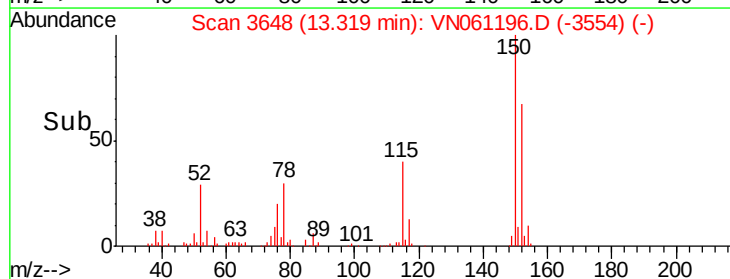
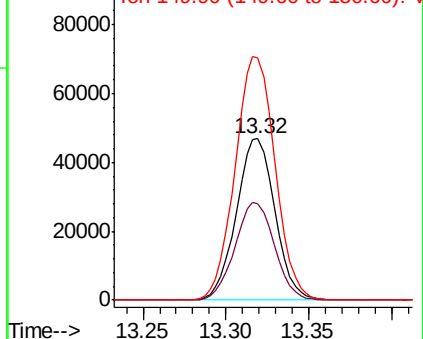


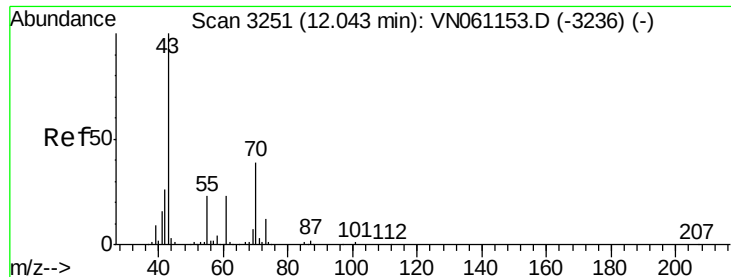
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061196.D
Acq: 29 Apr 2020 16:56

Tgt Ion:152 Resp: 75815
Ion Ratio Lower Upper
152 100
115 61.8 31.0 93.0
150 156.7 0.0 351.8



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: 0.747 ug/l

RT: 12.00 min Scan# 3239

Delta R.T. -0.04 min

Lab File: VN061196.D

Acq: 29 Apr 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB128535TB

Tgt Ion: 43 Resp: 2107

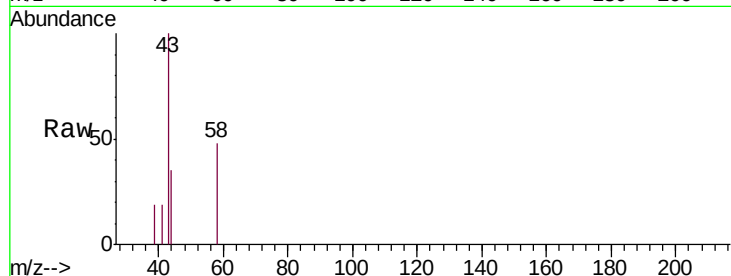
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 0.0 18.5 27.7#

61 0.0 17.9 26.9#

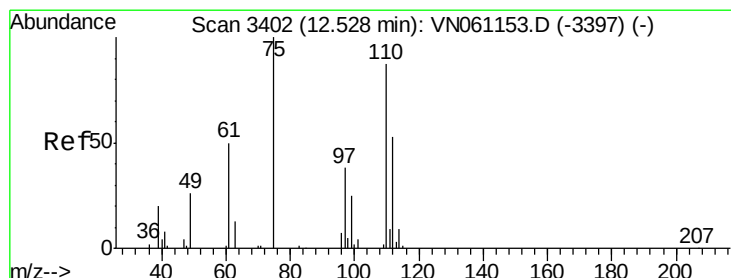
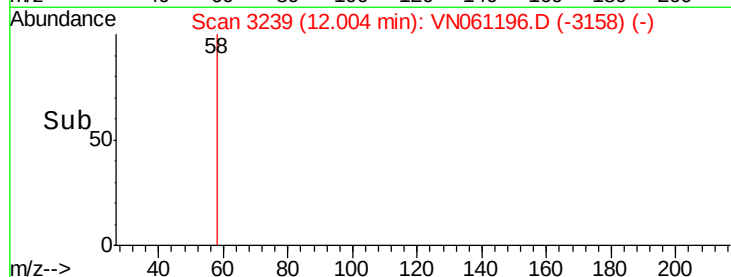
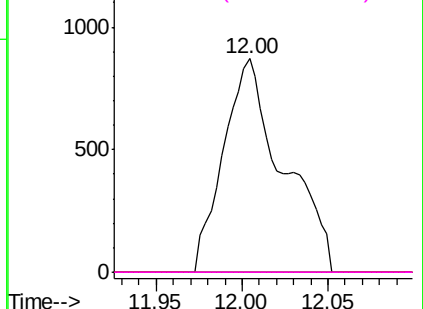


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.064 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061196.D

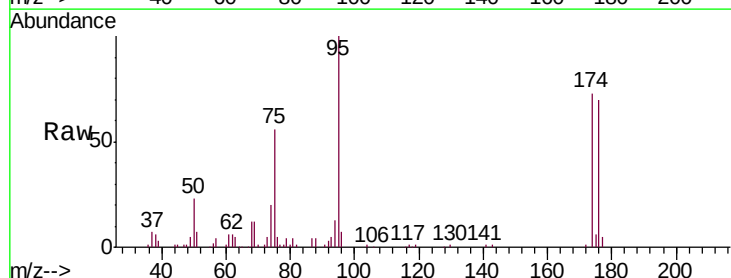
Acq: 29 Apr 2020 16:56

Tgt Ion: 75 Resp: 46456

Ion Ratio Lower Upper

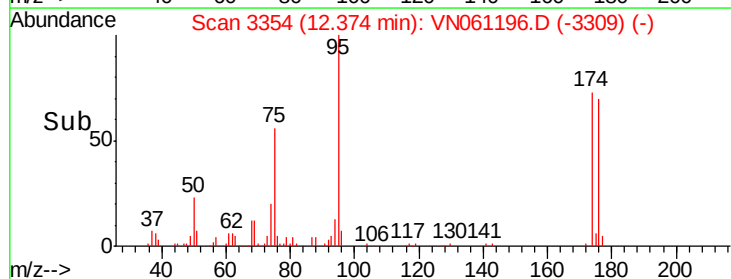
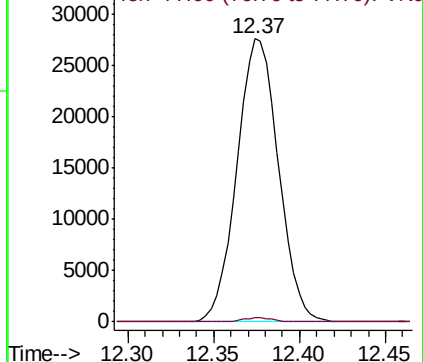
75 100

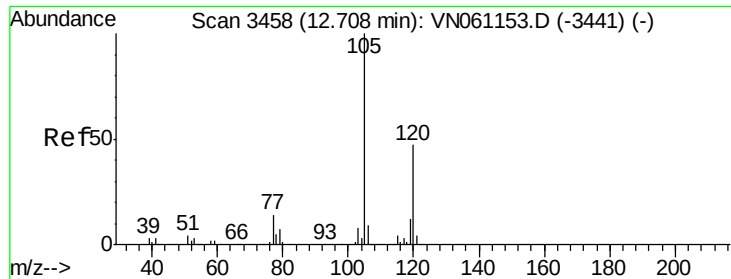
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

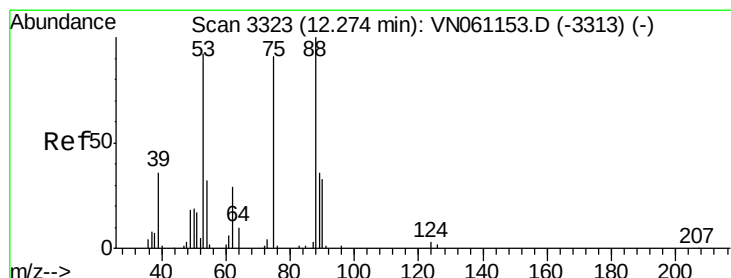
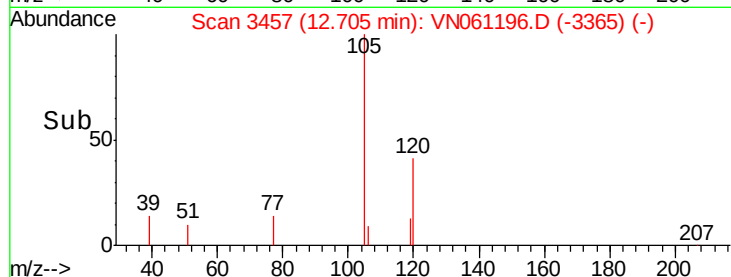
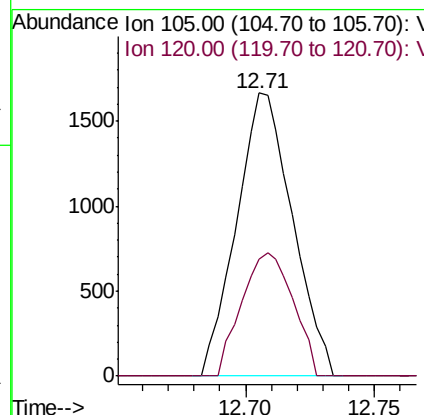
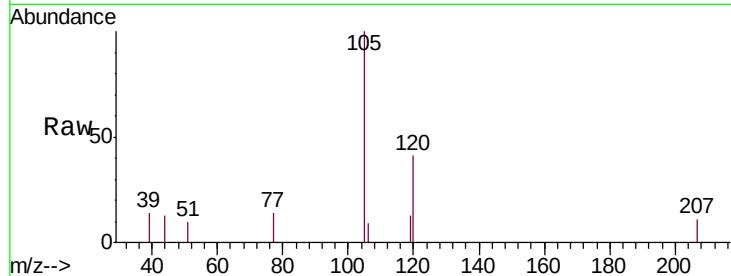




#80
 1,3,5-Trimethylbenzene
 Concen: 0.546 ug/l
 RT: 12.71 min Scan# 3457
 Delta R.T. -0.00 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128535TB

Tgt Ion: 105 Resp: 2520
 Ion Ratio Lower Upper
 105 100
 120 40.2 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.808 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. 0.10 min
 Lab File: VN061196.D
 Acq: 29 Apr 2020 16:56

Tgt Ion: 75 Resp: 46456
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

